PROGRESS REPORT

OF

FOREST ADMINISTRATION

IN THE

HYDERABAD ASSIGNED DISTRICTS

FOR

1890-91.

WITH A REVIEW BY THE RESIDENT AT HYDERABAD.

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FROM

T. CHICHELE PLOWDEN, Esq., C.S.,

Commissioner, Hyderabad Assigned Districts,

To

THE SECRETARY FOR BERAR TO THE RESIDENT,

Hyderabad.

Dated Amraoti, 24th July 1891.

SIR,

I have the honour to submit the Officiating Conservator's Report of the Administration of the Forest Department in the Hyderabad Assigned Districts during the year 1890-91, a proof-copy of which reached my office on the 20th July.

2. During the year under report additions aggregating 77 square miles, or 49,306 acres, were made to the total area of demarcated forests. In the Akola District, a new State reserve comprising 6,250 acres was formed at Ambabarwa in the hilly part of the Jalgaon taluk, and the Kinwat reserve was increased by 41,570 acres. The remaining additions are due to corrections of area. In District reserves no changes occurred worthy of special mention. But under unreserved forests 144 square miles were added and 251 square miles excluded, the net result being a diminution of 107 square miles. The additions from abandoned cultivation, which aggregated 12,613 acres, arise out of relinquishment l cultivators of their holdings; the grant of land for cultivation has been fo bidden pending completion of the classification of forest areas, and consequent y holdings once relinquished go to augment, for a time, the area of unreserved forests. In the Wun district, in which the classification of land for forest purposes is very far advanced, the restriction upon the giving out of land for cultivation has been partially withdrawn. In the Buldana district, 79,153 acres have been added, and in the Basim district 96,898 acres have been excluded by co rection of area. Some further explanation should have been given of these two entries to show the nature of the error now corrected, particularly in the case of Basim, for the area subtracted is said to have been erroneously included so recently as last year.

3. Although, for the reasons explained in paragraph 22, the working-plan for the Melghat reserve has not been completed, the matter has received the Conservator's attention, and in the meanwhile the forest is being administered in accordance with Mr. Dansey's outline. For the rest of the province working-plans have been prepared for two State reserves in the Basim division and for one each in Amraoti and Wun, and a good deal of preliminary work has been done in connection with babul-bans in the Akola district and with teak coppice forests in Akola, Buldana, and Basim. I have detained Mr. Mansukh Rai's scheme for working the grazing lands in the Darwha taluk pending issue of the new rules under the forest law.

4. With regard to establishment, there are two principal questions—first, whether the plan of making Divisional Officers out of Sub-Assistant Conservators is altogether satisfactory, and secondly, whether, having regard to the importance of the Melghat, which must always be in charge of a trained officer and of the heavy work in prospect in connection with the preparation of working-

plans, two trained officers in addition to the Conservator are sufficient for the legitimate requirements of the province. I have no doubt that both these questions will require further consideration later on. As to the subordinate staff, proposals for strengthening it have been submitted since the close of the year.

The number of prosecutions for forest offences has risen from 381 to 416, and the percentage of convictions from 83 to 84·7. The variations in the several districts noticed last year still continue. But it is not worth dealing with this subject until the Berar Forest Law and the rules made under it have come into operation. At present, under the existing rules, it is very difficult to say what is and what is not an offence against the Forest Laws of the Hyderabad Assigned Districts.

5. The total area subjected to special measures of protection against fire was 711,296 acres, and 694,290 acres, or 97·6 per cent., were successfully dealt with. No doubt these results taken as a whole are very satisfactory, but they are mainly due to the good work done in the Ellichpur division under Mr. Prevost's management. In two districts—Wun and Amraoti—the year's work compares unfavourably with that of 1889-90, and in the case of the latter district no adequate explanation appears to be forthcoming of the cause of the three fires which occurred in a single reserve in May last.

The cost of protection for the whole province was Rs. 7-2-0 per square mile, against Rs. 7 in 1889-90.

6. The question of the provision of grazing land and of its management is one that will occupy the attention of forest and revenue officers for some years to come. The policy to be followed, particularly in the treatment of the present free-grazing lands, will require careful consideration with reference to the actual circumstances of each district.

7. The total expenditure by the Public Works Department in the Ellichpur division amounted to Rs. 2,55,648, of which Rs. 2,23,884 were spent upon the Gugamal Forest road. This road is now open as far as Belkand, a distance of 2[illegible] miles from Akot, and the remaining five miles—from Belkand to Koha—are under construction and may be finished during the current year. The sum spent on new roads by the Forest Department was Rs. 6,164. The total expenditure on new buildings—thanas—was Rs. 2,700 besides Rs. 650 on the construction of wells. I think more work might be done under these heads with much advantage. Wells in particular are of great value to the yearly-increasing number of persons who have business in the Melghat, and I doubt whether the provision of rest-houses is quite adequate for the needs of the department.

8. The total outturn of the forests shows a large increase under timber in the demarcated forests and under bamboos. The increase in timber occurs mainly in the Bairagarh forest under the new plan of improvement fellings, which is said to be working well.

The open forest of the Melghat, the outturn from which shows an increase under timber and firewood not altogether to the Conservator's liking, will be included in class D under the new rules and will be subject to control. And it will then rest with the district authorities to determine whether any additional control that may be necessary can best be exercised by separating off areas to be placed in class C or by constituting the open forest of the Melghat a distinct class by itself.

9. The financial results of the year surpass those of last year, which were the best on record. The total income of the year was Rs. 4,87,109, the charges Rs. 1,68,608, leaving a surplus of Rs. 3,18,501 compared with Rs. 4,40,540, Rs. 1,76,549, and Rs. 2,63,991 in 1889-90. The surplus exceeds that of last year by Rs. 54,510. The increase is due chiefly to augmented receipts from timber and in a less degree from firewood and bamboos.

10. Mr. Dansey officiated as Conservator during the first six months of the year and Mr. Dickinson during the remaining six months.

I have received from both officers a full measure of assistance in all the matters connected with the Forest Department with which the Commissioner has to deal. I concur also in the commendation which the Conservator has accorded to Mr. Prevost's work. The regrettable incident of the year is the criminal misconduct of Ranger Wittinbaker, which has led to his prosecution for misappropriation of Government money. His trial took place in the Bombay High Court after the close of the year and ended in a conviction.

I have the honor to be,

Sir,

Your most obedient servant,

T. CHICHELE PLOWDEN,

Commissioner, Hyderabad Assigned Districts.

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No. 576 of 1891-92.

FROM

F. B. DICKINSON, Esq.,

Offg. Conservator of Forests, Hyderabad Assigned Districts,

To

THE COMMISSIONER,

Hyderabad Assigned Districts,

DATED CAMP VIA AMRAOTI, 25*th June* 1891.

SIR,

I have the honour to forward, for submission to the Resident, the Report on Forest Administration in the Hyderabad Assigned Districts for the year 1890-91.

I have the honour to be,

Sir,

Your most obedient Servant,

F. B. DICKINSON,

Officiating Conservator of Forests,

Hyderabad Assigned Districts.

PROGRESS REPORT OF FOREST ADMINISTRATION IN THE HYDERABAD ASSIGNED DISTRICTS FOR THE YEAR 1890-91.

INTRODUCTION.

BENGAL SECRETARIAT LIBRARY.

Mr. E. P. Dansey, Officiating Conservator of Forests, held charge of the Circle from the 1st April up to the 3rd October, when, on transfer to Bengal, he was relieved by Mr. F. B. Dickinson, who held charge for the remainder of the year. He was absent from the Circle from the 14th to the 31st March to attend the meeting of the Board of Control of the Dehra Dun Imperial Forest School.

2. Mr. E. M. Coventry, appointed by Government of India Notification No. 266-F. dated 26th February 1891, Assistant Conservator of Forests, 3rd grade, from the 29th December 1890, joined in Berar on the 4th March 1891, and was on special duty under the orders of the Conservator till the end of the month.

3. The Ellichpur Division was under the charge of Mr. G. F. Prevost during the year except for three months, from the 30th July to the 4th November, when he was on privilege leave. During this time Mr. Bhukhan, Officiating Sub-Assistant Conservator, held charge of the Ellichpur Division in addition to that of Amraoti.

4. The Amraoti Division was under the charge of Mr. Bhukhan, Officiating Sub-Assistant Conservator, from the 1st April 1890 till the 3rd February 1891, when he was relieved by Mr. Rassul Khan, Sub-Assistant Conservator, who held charge for the rest of the year. Mr. Bhukhan was deputed on special duty in connection with the Nimar-Berar boundary, and on its completion was transferred to the Ellichpur Division under the orders of the Divisional Officer.

5. Mr. C. Haldane held charge of the Akola Division throughout the year.

6. The Buldana Division was in charge of Mr. G. H. Wittinbaker, Probationary Sub-Assistant Conservator, up to the 2nd September. He was reduced to Rs. 100 from the 30th July 1890, and his transfer ordered to Ellichpur Division under the orders of the Divisional Officer ; but, before joining that Division, he obtained 6 months' leave on medical certificate. He was, however, recalled from his leave to explain certain discrepancies in his accounts, and was eventually dismissed the service from the 6th April 1891. Mr. C. Haldane held charge of the Division from the 3rd September to the 16th November 1890, and Mr. Taylor for the rest of the year, both in addition to their other duties.

7. The Basim Division continued in the charge of Mr. G. F. Taylor, Officiating Deputy Conservator, for the whole year with the exception of three months, from the 2nd July to the 1st October, when he was on privilege leave, during which time Mr. Haldane was in charge in addition to his own Division. On return from a year's leave on medical certificate, Mr. Rassul Khan was posted for duty in Basim District under the orders of the Divisional Officer, where he remained till the 3rd February 1891.

8. The Wun Division was in charge of Mr. Mansukh Rai, Sub-Assistant Conservator, throughout the year.

9. The year under review was very successful in the matter of protection, and the revenue has been by far the largest on record, the surplus being Rs. 3,18,501, which is double what it was five years ago.

10. Rules under the Berar Forest Law of 1886 were drawn up and submitted for the approval of the Resident. They consisted of rules for each class

of forest mentioned in paragraph 8 of the Report for the year 1888-89. The Resident discussed them during his tour in Berar in January with the Commissioner and Conservator, and after some modifications they have been again submitted to him, and it is hoped that it will be now possible to bring them and the Law into force without much delay.

CHAPTER I.—Area and Boundaries.

1.—*Areas.*

11. The Berar Forest Law not having come into force as yet, the old classification laid down by the Forest Rules promulgated in Government of India Notification (Department of Agriculture, Revenue and Commerce) No. 520, dated 25th October 1871, is still adhered to. As remarked in paragraph 10 of last year's Report, the above notification renders Government of India Circular No. 4-F, dated 23rd April 1887, inapplicable to Berar.

12. The following table shows the changes effected in the area of forest lands under the management of the Forest Department:—

Classes of Forest.	Area in square miles.				Percentage of Forest area to area of Province.
	Area on 1st April 1890.	Added during the year.	Excluded or transferred to other classes.	Area on 31st March 1891.	
Demarcated State Forests ...	1,059	77	...	1,136	64
District Reserved Forests ...	1,012	...	...	1,012	5·7
District Unreserved Forests ...	2,243	144	251	2,136	12·0
Total ...	4,314	221	251	4,284	24·1

13. The area of the *Demarcated State Forests* has been increased by the addition of 49,306 acres, or 77 square miles, as follows:—

	Acres.
Portion of the Unreserved Forests of Akola District formed into the new State Reserve called Ambabarwa	6,250
Portion of the Unreserved Forests of Basim District added to the Kinwat Reserve	41,570
Additions owing to corrections of area—	
In Gerumatergaon Reserve	458
In Amdari do.	2
In Penganga do.	908
In Rui do.	27
In Pathrot do.	91
	49,306

14. In the *District Reserves* 81 acres were added and 231 acres excluded, or on the whole 150 acres excluded. The details of these changes were as follows:—

Added—

	Acres.
Resumption of cultivation in Amraoti District	28
Correction of area in Akola District	1
Transferred from Rumnas to Grazing Lands of the Amraoti District...	52
	81

	Acres.
uded—	
Given up for cultivation from Woods in the Amraoti District ...	5 0
Transferred to Grazing Lands in the Amraoti District ...	2 0
Given up for cultivation from Grazing Lands in the Amraoti District	11 0
Given up for building sites from Grazing Lands of the Amraoti District	16 0
Transferred to Unreserved Forests from District Reserved Forests of the Akola District	112 39
Given up for the Kutasee tank from District Forests of the Akola District	7 13
Given up to the Railway authorities from District Forests of the Akola District	0 10
Renkapur Izara relinquished by Government in the Wun District	6 0
	231 0

15. The changes in the *Unreserved Forests* are—added 144 square miles, excluded 251 square miles. Difference excluded 107 square miles. The details of these changes are as follows:—

Added—

	Acres.
Cultivation abandoned in Amraoti 43 acres, Akola 271, Buldana 3,123, Basim 953, Wun 8,223. Total	12,613
Transferred from District Reserves in Akola	113
Izara land made khalsa in Basim	333
Corrections of area in Buldana Grazing Land not previously shown as *Unreserved Forest*	79,153
Correction of area in Basim District	239
	92,451

Excluded—

Given up for cultivation in Wun 6,993 acres, Amraoti 10. Total ..	7,003
Transferred to State Forests Akola, 6,250 acres, Basim 41,570. Total	47,820
Given up for village purposes in Amraoti 10, Akola 21, Buldana 319, and Basim 11 acres. Total	361
Corrections of areas—Akola 81, Buldana 1,100 and Basim 1,860 acres. Total	3,041
Area erroneously added in 1889-90 in Basim District ..	96,898
Area of Akola land shown both in the Akola and Ellichpur Districts	5,936
Total ...	161,059

Thus the total is less by 68,608 acres or 107 square miles. A good deal has been done during the year to correct these areas, and it is believed that those now given can be generally trusted.

16. Besides the areas newly added to the Demarcated State Forests, it was proposed to constitute certain new Demarcated State Reserves in the Wun and Akola Districts, where, owing to the poorness of the existing State Reserves, it is highly desirable that a considerably larger area should be brought under stricter management.

2.—*Boundaries.*

17. The boundaries of all the old *Demarcated State Forests* were cleared, and wherever required the boundary marks were repaired.

The Mohoja Reserve in Basim District was demarcated at a cost of Rs. 189. The new bit added to Kinwat was not regularly demarcated, but a line was cleared and burnt along its boundary which is marked by the settlement boundary marks called *warlies*. The Borgaon and Ambabarwa Reserves in Akola have not been demarcated and will have to be taken in hand.

18. In District Reserves and in Unreserved Forests the following work was done :—

District.	Boundary marks repaired.	Cost. Rs.
Ellichpur... ...	84	... 8
Amraoti	2,932	... 317
Buldana	11,308	... 707

A good deal of this work was done in the previous year, but charged in the accounts of the year under report.

The work was stopped during the year, pending the legal constitution of the different forests under the Berar Forest Law. It will now be again set going systematically. The proposed new State Reserves in Wun were demarcated at a cost of Rs. 96.

CHAPTER II.—Surveys, Working-Plans and Plans of Operations.

19. The following extract from the Progress Report of the Superintendent, Forest Surveys, for the survey year ending 30th September 1890 shows the work done in connection with the Melghat Survey :—

"The provincial boundary question, referred to in paragraph 45 of last year's Progress Report, between Berar and the Central Provinces has been finally settled by the Local Government and approved by the Government of India in Foreign Department letter No. 390-I, dated 1st February 1890. It now only remains to have the existing Central Provinces pillars supplemented by intermediate ones; this is being done under the orders of the Commissioner of the Hyderabad Assigned Districts, and as soon as it is reported that the pillars are ready, a Surveyor will be deputed to fix their positions and map the line of boundary.

"The expenditure incurred during the year on account of Berar amounted to Rs. 4,746, chiefly on account of map-drawing and the printing and publishing of the 4″ and 2″ standard sheets. The last of the Berar sheets are now in the press.

"Fifteen standard sheets of the Melghat Survey on the scale of 4″ = 1 mile and four on the 2″ scale have been published, and four others on the 4″ scale and two on the 2″ scale have gone to press; also three sheets of congregated village plans on the 4″ scale have gone to press.

"A standard sheet on the 4″ scale and one on the 2″ scale are ready for press; they simply await the drawing of the provincial boundary, which cannot be added until the boundary has been completely demarcated and the additional pillars surveyed. These two sheets when published will complete the Melghat series of maps.

"Eight charts of triangulation on the scale of 1″ = 1 mile have been published, and a map of the Daryapur Taluk on a similar scale has passed through the press."

20. The work of erecting within-view boundary marks on the boundary line between Berar and Nimar, approved by the Government of India, and surveying them was carried out by Mr. Bhukhan, Officiating Sub-Assistant Conservator. The field books were sent to the Superintendent, Forest Surveys. Doubtless the remaining sheets will soon be available.

21. Those sheets showing portions of the Bairagarh and Gugamal Reserves which were surveyed on the 4″=1 mile scale have been reduced to the 2″ scale in order to have a complete set for the Reserves on a uniform scale.

2.—*Working-Plans.*

22. The outline of a Working-Plan was drawn up for the Bairagarh and Gugamal Reserves by Mr. E. P. Dansey, Officiating Conservator of Forests, based

on improvement fellings, and approved by the Inspector-General of Forests. But much has to be done before the Working-Plan on this outline can be written. No detailed descriptive account, compartment by compartment, of the forest had been made previous to the past cold weather. The present Officiating Conservator hoped to be able to make considerable progress in drawing up this descriptive account, but from various causes was prevented from carrying out this intention to the extent he wished. The work, however, is proceeding, and with the better manned staff now available will, it is hoped, make better progress.

In the meanwhile the forest is being worked in accordance with the approved outline.

23. Mr. G. F. Taylor, the Basim Divisional Officer, has prepared Working-Plans for the Penganga and Medsi Reserves, which are under discussion.

24. In Wun, Mr. Mansukh Rai proposed a Working-Plan for the Pathrot Forest, which is under discussion.

He also submitted a rough scheme of working for the Grazing Lands of the Darwha taluk. These Grazing Lands contain a good deal of forest growth, and indeed at present constitute the source from which the people mainly derive their supplies of forest produce. The regulation of their working is therefore of more immediate importance than that of the Reserves, which are not being worked.

The scheme groups the Grazing Lands into convenient Working Circles and lays down a regular order of fellings in each; the *regime* being coppice with a liberal reservation of standards.

25. A scheme was drawn up for the working of the Amraoti Hills Forests. These are very poorly covered hills in the vicinity, of Amraoti, measuring 45,500 acres, from which the inhabitants of Amraoti Town have been in the habit of procuring firewood. They have not for years been fit to bear this strain on them, and now only produce very small fuel of inferior species. To remedy this state of things, the area has been cut up into 15 blocks, in only one of which cutting will be allowed yearly. Doubtless the people of the town of Amraoti will find the arrangement an inconvenience, but unless something is done, this source of supply would gradually be reduced to nothing. For the present year an area of 2,585 acres has been opened for cutting.

26. Working-Plans for the Babul-Bans in Akola District are under consideration. A good deal of preliminary work has been done, and it will be possible before long to come to a determination as to the best way of treating them as a whole.

27. The question of working the Teak coppice forests in Akola, Buldana and Basim has also received attention, and data are being collected with the object of framing Working-Plans for them.

The old way of working these forests was to allow the purchasers to cut the Teak poles themselves. This has led to many abuses, the discovery of which has necessitated a change of system, namely, the felling by departmental agency and sales by auction. No regular depôts are formed, the poles being stacked at the nearest village. The plan has been found to answer so far and will, it is thought, be much more satisfactory than the old system.

28. The whole of the forest work was carried out in accordance with Plans of Operation drawn up by the Divisional Officers in consultation with the Deputy Commissioners and approved by the Conservator.

CHAPTER III.— Protection and Improvement.

1.—*Establishment.*

29. A sixth Sub-Assistant Conservatorship was sanctioned which it was not found possible to fill up during the year.

Mr. E. M. Coventry, a trained officer, was appointed to Berar, but only joined shortly before the close of the year.

30. As remarked in last year's Report, paragraph 28, the subordinate staff is below the necessary strength. A new scale was being drawn out in accordance with Government of India Circular No. 2-F, dated 28th January 1891, but had not been completed when the year came to a close. It has since been submitted. Besides the insufficiency already pointed out in the previous Report, it has been found that the efficient carrying out of the Working-Plan for the Melghat Reserves necessitates an increased staff and a few better trained men than the generality of the old men, who, although as a rule good hard-working officials, have not had the training necessary to enable them to effect a good improvement felling.

31. The question of selection of Sub-Assistant Conservators and Rangers having presented some difficulties, it has been proposed that a certain number of scholarships shall be established to be used as required and to be given either to candidates sent direct to the Forest School, or to students already at the School. The final appointment will depend on the candidate obtaining the school certificate in forestry. By this means it is hoped to have recruits as required and to induce them to work at the School better than men already appointed to the Department.

2.—*General Protection and Breaches of the Forest Law.*

32. The following statement shows the offences against the Forest Law under main heads compared with the previous year:—

Particulars of case.	Number.		Increase	Decrease
	1889-90.	1890-91.	In 1890-91.	
1. Injury to the forests by fire	9	6	...	3
2. Unauthorized felling or appropriation of wood and other minor produce	308	251	...	57
3. Grazing without permission	17	20	3	...
4. Other offences	47	139	92	...
Total ..	381	416	95	60

33. Statement in Form 50 does not show any compounded cases, Divisional Officers not having power to compound under the present rules.

Only two Divisions give any record of undetected cases; the matter having been apparently lost sight of, attention will be paid to this point in future.

34. The offences committed in Demarcated State Forests were 60, as against 77 in the previous year, which is reported to denote a greater respect for the rules. It is, however, probable that there were undetected cases, and it is unsatisfactory that no record has been kept of these. The percentage of convictions to cases taken into Court was 85·4 per cent.

35. In District Reserves and Unreserved Forests the number of cases recorded was 375 (of which 16 are shown as undetected), against 304 of the previous year. The increase is chiefly in Amraoti, and were cases of unauthorized felling or removal of wood and other forest produce. The percentage of convictions was 84·6 as compared with 83·5 in the previous year. The average is brought down by the poor results obtained in Buldana, namely, 68·6 per cent. This is probably due to the lax state of discipline brought about by the mismanagement of ex-Sub-Assistant Conservator Mr. Wittinbaker.

36. In Ellichpur there was again a decrease from 37 to 15 of cases in Demarcated State Reserves, and even these it is reported were trifling cases. When it is remembered that these Reserves cover an area of 609 square miles, this result shows that our rules are throughly respected and willingly obeyed by the people. So far as the Officiating Conservator has seen, the result is not due to laxity on the part of the protective staff.

37. On the whole the percentage of convictions to cases brought to trial was somewhat better than last year, namely, 84·7 against 83.

3.—*Forest Fires.*

38. The results of the year's fire protection, compared with those of the previous year, are given below:—

Division.	Year.	Area attempted.	Results.		Approximate cost per square mile of area attempted.
			Successfully protected.	Failures.	
		Acres.	Acres.	Acres.	Rs. a.
Ellichpur	1890	389,493	389,493	...	4 11
	1891	389,493	389,391	102	4 10
Amraoti	1890	12,198	12,198	...	16 12
	1891	12,198	5,075	7,123	15 8
Akola	1890	32,946	32,942	4	15 0
	1891	32,946	32,510	436	13 10
Buldana	1890	59,664	53,135	6,529	2 13
	1891	60,124	58,943	1,181	3 13
Basim	1890	86,701	84,953	1,748	7 7
	1891	119,699	119,206	493	7 15
Wun	1890	96,745	95,035	1,710	14 9
	1891	96,836	89,165	7,671	14 15
Total ...	1890	677,747	667,756	9,991	7 0
	1891	711,296	694,290	17,006	7 2
Difference in favour or against the year ...		+ 33,549	+ 26,534	+ 7,015	+ 0 2

39. The increase in the area "attempted" is due to the inclusion of the new extension to the Kinwat Reserve with an area of 41,570 acres and to revision of areas in other reserves. On the other hand the Gahuli Reserve (9,56[illegible] acres), for which no special protection was deemed necessary, it having been opened to general grazing, was excluded.

40. Considering the protracted period of drought, which lasted into the beginning of July, the results were on the whole good. Out of a total area of 711,296 acres under special protection, 694,290 acres were successfully protected, or [illegible]3 per cent.

41. It is, however, disappointing that the improvement that had taken place in the previous year in Wun was not sustained. There were again considerable fires in that district, most of them being reported to have been the work of incendiarism But, though suspicions were attached in some instances to certain persons, there was not sufficient proof to prosecute. No doubt there are special difficulties to contend with in the Wun District. Many of the reserves are surrounded by izaradars, persons who have proprietary rights over their villages, and who are therefore more independent than ordinary ryots. Many of them having more forest land than they require for grazing purposes keep tracts for growing grass, and these tracts as a rule adjoin the Government reserves. Now, as they do nothing to protect these tracts from fire, sooner or later they are burnt and become a great source of danger to the reserve. The danger will have to be minimized by making broader fire traces. The izaradars are also not so willing to turn out their ryots to aid in putting out fires as are the patels of khalsa villages.

42. The most serious failure was that in the Chirodi Reserve in Amraoti, where three fires occurred in the month of May and burnt seven-eighths of the

forest. A banjara was suspected of having originated one of these, but the result of the enquiry has not been reported. The second is supposed to have spread from an adjoining field. If that is the case, the fire lines were not sufficiently broad. It would appear from the report of the Divisional Officer, which is very incomplete, that the Forester did not look after the reserve in an efficient manner. The long delay in submitting the reports on these fires and their incompleteness when submitted shows a great want of zeal on the part of the Divisional Officer.

43. In the Akola District there were three fires—two in the Batchwadi block and one in Mandwa. They were all three promptly extinguished. The largest, which occurred in the Batchwadi block, was caused by two people who were cutting grass in the reserve smoking tobacco. They were prosecuted and fined Rs. 50 each.

The fire in Mandwa occurred as early as November and originated by coolies who were burning the lime while cooking their food. These men were also prosecuted and fined.

44. In the Buldana District there were three small fires in Amdari and one in Gerumatergaon, which were extinguished before they did much damage.

45. The fires in the Basim District, of which there were five, appear to have been accidental. There were again two fires in Rui, one supposed to have been lighted by an incendiary. The one in Penganga was traced to a Marwari's servant who started it accidentally while smoking. He was prosecuted and punished.

The only fire that occurred in Kinwat was attributed to lightning and was promptly extinguished.

46. The cost of protection was Rs. 7-2-0 per square mile as compared with Rs. 7, the chief increase being in Buldana, where the staff of watchers was slightly increased. There was, however, a decrease in Akola and Amraoti.

4.—*Grazing and Fencing.*

47. No grazing was permitted in any of the Demarcated State Forests except in those in the Buldana District, where, as stated in paragraph 49 of last year's Report, it is thought that it will be necessary to allow grazing owing to the paucity of other grazing land in that District. It is proposed, however, to introduce a grazing rotation in order to give reproduction a better chance.

48. The scheme sketched in Appendix B of last year's Report by Mr. Dansey will receive attention when the classification under the new Law is complete and that Law has been applied to Berar. It is recognised that such should be the treatment for the whole of the wooded tracts along the ghauts bounding the Poorna valley on the south. As a preliminary measure, these tracts will have to be classed as A Reserves under the new *regime* to permit of the periodical closure to grazing.

49. The future management of the Grazing Lands formed the subject of a note by the Resident. It had been proposed to resume the free-grazing lands which are tracts which were given at the settlement in villages where land was available for free grazing. The tracts are, from the nature of things, very unequally distributed; some villages have enough and to spare, whilst others have none. To remedy this state of things, it was proposed to resume the free-grazing tracts and in lieu allow free-grazing in any Government grazing land to a certain proportion of plough-cattle to all.

The scheme was introduced into three Districts, namely, Wun in 1884, and Amraoti and Ellichpur in 1885, and works fairly well. Objections were, however, raised to its introduction into the other Districts on the score that the resumption of the free-grazing lands would be a breach of faith, and on the whole it is thought better to leave matters *in statu quo* until the revision of the settlement.

The people who are worst off in the matter of grazing are those in the open country at long distances from the grazing tracts, and the concession to plough-cattle would not be of much use to them as it does not pay them as a rule to send their cattle to the grazing lands.

50. The great want of grazing land in the open parts of Berar has probably in a measure led to the large areas being thrown out of cultivation, commented on by the Resident in paragraph 4 of his order on the Revenue Administration Report of the Hyderabad Assigned Districts for 1889-90. There is no doubt that any compact blocks that can be made available for grazing in those portions of the country would be a great boon to the people.

5.—*Natural Reproduction.*

51. As remarked in last year's report, the backwardness of reproduction in the South Berar Forests is due in a great measure to the want of complete fire protection. In places where this had been ensured for a number of years reproduction is generally found, and there is reason to hope that every year of fire protection will show an improvement in this respect. As a matter of fact it would appear from the records that very few portions of the South Berar Forests have been successfully protected for five years consecutively.

52. The conditions of successful reproduction were found where several layers of old grass had spread themselves on the ground and become more or less rotten; with these conditions Teak often comes up readily in the open. But so far they are rarely found in the forests of South Berar.

In the Melghat Reserves, where these conditions are found, reproduction is often very good, and the forest is perceptibly thickening up and blanks becoming reduced in size. This is noticeable even to the eye of a stranger in the dead and dying tufts of grass observed towards the outside edges of patches of forests.

53. In the Melghat Reserves the largest amount of Teak reproduction and advance growth occurs in the open patches on gently sloping ground. But often in the thicker patches the cover of other species has prevented Teak from coming up. It is a question whether thinnings should not be made in such patches to encourage the reproduction of Teak where there are seed bearers of that species. Such thinnings would, however, have to be done very carefully and cannot be undertaken on a large scale till the Forest Establishment is better manned and better trained than at present.

54. In the southern and eastern portions of the Melghat Reserves creepers, especially the Bauhinia, are doing much damage both to the growing stock and by preventing reproduction. Arrangements have been made for cutting these, and it will be provided for in the Working-Plan.

6.—*Artificial Reproduction and Cultural Operations.*

55. The details of this work are shown in Form 52.

56. The remarks in paragraph 10 of the Government of India Review on the Report of last year were not received in time (17th March 1891) to make a thorough inspection of the plantations and cultural operations of previous years. The Conservator, however, inspected several of the plantations in the Sipna valley in the Melghat and found in them a large number of Teak poles, and he considers them in a great measure a success. There are no doubt blanks among them, and the portions on the flat ground have been kept back by frost; still even in such places the plants have shot up wherever they have had shelter and the protection of other trees.

They have been replaced on the register pending a detailed report from the Divisional Officer showing what proportion may be set down as failure and what

proportion a success. The Conservator is, however, of opinion that Nature aided by protection is doing more in those Melghat Reserves in one year than we can do in twenty. But by judicious thinnings of the less valuable kinds we can increase the proportion of Teak.

57. As regards the cultural operations in other Demarcated State-Forests, the Conservator believes that they may, for the most part, be struck off as failures; the perusal of the Forest Journals and inspection of some of the areas treated leads him to this belief.

When it is considered that most of these operations consisted of broadcast sowings, and that Nature herself is at present unable to rear her own seedlings, numbers of which are reported to germinate yearly only to die off, it seems hardly reasonable to suppose that seedlings from seed sown by man should have a better fate.

58. Partially successful results were obtained in Wun by ploughing in bands and sowing in the bands. Some of the Teak seed sown by this method the year before last germinated last year, also some Anjan (*Hardwickia pinata*) and Teak seed sown last year in the same way came up fairly well, and the plants are reported to have persisted. How far this is so however will not be properly known till the monsoon brings out the leaves. Probably more of the Teak seed sown last year will germinate in the coming monsoon.

59. In Pathroat and Gondwakri, Teak seed was sown in patches 2′ × 1′, worked up to a depth of 6 inches, under the shade of Ber and Khair bushes, but did not germinate. It remains to be seen if they germinate in the coming monsoon.

60. In Basim the same method was tried in Kinwat, Penganga and Medsi in 7,400, 4,017, and 2,540 patches respectively, and at a cost of Rs. 81, 60 and 21 respectively. The Divisional Officer states that every care was taken in carrying out the experiment, but that so far there is no result. Some of the seeds may, however, germinate this year. Mr. Taylor advocates the storing of the seed (Teak) in the ground for a couple of years before sowing, and refers to successful results obtained at Yeota near Karinja in the Amraoti District by this means some years ago.

61. The operations of 1888 and 1889 in Basim over 261 and 39 acres respectively are reported to be failures and are written off the register.

62. No cultural operations were undertaken in Buldana. No new operations were attempted in Ellichpur.

63. In Chirodi Reserve in Amraoti District a Bamboo nursery was formed and sown with Dendrocolamus Strictus seed from the Central Provinces. It is reported to be doing fairly well, but to have been somewhat damaged by hares.

The Conservator noticed that the Bamboos planted along the nullah round the old fort in Chirodi were growing well; on the other hand he was shown areas that had been sown with different kinds of seed broadcast in former years in which no result was visible. They were areas containing very poor soil, chiefly soft slag with no vegetable mould, so that the result is not to be wondered at.

In the small plantation of Teak and Bamboo at Yeota near Karinja, about 10 acres, it is reported that about 3,000 plants are growing well.

64. In Akola District the sowings made in the year 1889 proved a failure. Seed of babul, aovla, tamarind, &c., were sown in ploughed furrows. They germinated freely, but died off owing to want of moisture and shelter. The operation, it may be remarked, was carried out on open plateau land, where there was no shelter and the soil poor moorum. The area is struck off the register as a failure.

65. It will be seen that so far very little result has been obtained from the various cultural operations undertaken in the Reserves outside the Melghat. The fact of the matter is that until protection has been complete for a number of years, varying according to the quality of the soil, which is very often very inferior, and the surface soil has been brought into a proper condition by the accumulation of grass detritus to induce a sturdy growth in the young plant and protect its roots in the hot weather, no great success can be hoped for.

66. In Loni and Bhongaon 25 and 50 acres respectively, which had been exploited, were sown with Telia Babul. The seed did not germinate so freely as usual in the Loni bit, owing to the hardness of the soil. It will have to be resown in furrows. The area in Bhongaon is well stocked.

7.—*Experiments and Exotics.*

67. The Date plantations at Ellichpur are reported to be doing well; the plants were manured and constantly watered. They are said to be looking healthy and to be making growth. The Conservator inspected them in October, and was sorry to find that the soil of the plantations is hardly suitable for the purpose. It is a portion of the old bed of the stream and consists of rolled trap stones mixed with silt in the proportion of about half and half.

8.—*Communications and Buildings, Wells, &c.*

68. The works executed under these heads in the Ellichpur Division are shown in detail in Appendices B and C, both those executed in the Forest Department and those in Public Works Department.

69. In the Melghat, 11 miles of new road were completed, namely, the Rangobeli-Chopan road, 9 miles, and two miles of the Kund-Sakri road; besides which two other miles of the last named road were partially constructed.

The total cost of new works was Rs. 6,164, of which the Rangobeli-Chopan road cost Rs. 3,971, or Rs. 441 per mile. The Kund-Sakri road is likely to be more expensive, as the trace goes through rather difficult country, involving a considerable amount of cutting.

Traces were made from Chikalda to Sakri, it being under consideration to make a road to connect these two places and afford a short route for the export of Bamboos from the north-eastern portion of Gugamal to Ellichpur. After some discussion, it has been decided to await the result of the opening of the new Department Public Works road to Koha, which will open this portion of the forest to the Akote market, before opening a third line to Chikalda, which unless very well traced would probably be as little used as the two already existing roads, namely, from Sembodoh and from Rangrao-Churni.

Another trace was made from Dasipati near Kolkaz to Malur, 3 miles east of Chourakund, a road required to open up the south-western side of the Bairagarh Forest.

70. During the year the Department Public Works road from Akote to Selu was opened up to Belkund, 30 miles from Akote. The remaining 8 miles from Belkund to Selu were under construction. Of this portion the section from Belkund to Koha, nearly 5 miles, is a difficult one, involving 4 bridges and 2 revetment walls. When the road is opened to Koha, which, it is hoped, will be next cold weather, it will meet a new Forest Department road at present under construction from Rangrao-Churni, which will connect it with the Forest Department system of roads in Gugamal and Bairagarh and open up large tracts of rich Bamboo forest to the Akote market. The cost of this road has been approximately Rs. 4,19,000 up to the 31st March 1891.

71. As regards the question raised in paragraph 64 of last year's Progress Report, namely, whether a road could not have been constructed by the less elaborate methods adopted by the Forest Department that would have answered the purpose, it should be noted that the line was selected with a view of obtaining water along it, which has made it difficult to construct, so much so that the Forest Department would not have had the means of constructing it, and an effective cheap road without large bridges could not have been made along this line. It must be also remembered that the road was projected for the general good of the Melghat and not alone in the interests of its forests, although no doubt it will in time prove of great value in the latter respect.

The timber carrfers fully appreciate the value of the Ellichpur-Pili road and draw comparisons between it and the Forest Department roads. The general gain to the community at large cannot be altogether measured in money. The advantages derived by the public in Berar, in being enabled to obtain forest produce easily, is a large factor to be taken into consideration.

72. The repairs of Forest Department roads in the Melghat Reserves cost Rs. 2,335 on 185 miles, or Rs. 12-10-0 per mile, or Rs. 1-2-0 per mile more than last year, which was due to the improvement of curves and ghats.

The repairs to various drag-paths, by which produce is brought from the open Melghat forests down to the nakas at the base of the hills, cost Rs. 529.

73. The road work in other Divisions consisted of petty repairs to existing cart tracts.

Buildings.

74. In the Melghat a new rest-house was built at Chourakund at a cost of Rs. 1,550 and two new thanas were built, one at Popatkhera and one at Basali, at Rs. 650 and Rs. 500 respectively.

75. New pucka wells were built at Chourakund and Jarida at a cost of Rs. 300 and Rs. 170 respectively, and the well at the Jhiri naka was deepened at a cost of Rs. 180. Old wells and water holes were repaired and cleaned at a cost of Rs. 45.

The rest-houses and wells are of enormous advantage to Inspecting Officers, enabling them and their followers to travel about the Melghat in comparative comfort without losing their health. The wells are also of great value to the inhabitants and timber traders.

76. In the Department Public Works a reservoir was constructed near Chikalda called the Bir dam at a cost of Rs. 27,980, and an anicut at Patoolda outside the western boundary of Gugamal.

77. In Amraoti and Buldana buildings, chiefly thanas, were repaired at a cost of Rs. 74 and 133 respectively.

CHAPTER IV.—Yield and Working.

78. No timber was removed by Government agency.

79. The following three statements compare the outturn of timber, fuel and bamboos, for the present and the previous year :—

1.—*Timber.*

Division or District.	Demarcated State-Forests.		District Reserved and Unreserved Forests.		Difference in favour of, or against the year.	
	1890-91.	1889-90.	1890-91.	1889-90.	Demarcated State-Forests.	District Reserved and Unreserved Forests.
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Ellichpur ...	93,937 (Rs. 29,911)	36,989 (Rs. 10,964)	409,262 (Rs. 92,846)	378,744 (Rs. 85,758)	+ 56,948 + (Rs. 18,947)	+ 30,518 + (Rs. 7,088)
Amraoti ...	... (Rs. ...)	20 (Rs. 6)	310 (Rs. 123)	313 (Rs. 73)	— 20 — (Rs. 6)	— 3 + (Rs. 50)
Akola ...	259 (Rs. 37)	42 (Rs. 12)	6,420 (Rs. 1,176)	5,550 (Rs. 783)	+ 217 + (Rs. 25)	+ 870 + (Rs. 393)
Buldana ...	315 (Rs. 67)	252 (Rs. 54)	114,647 (Rs. 17,798)	90,239 (Rs. 13,296)	+ 63 + (Rs. 13)	+ 24,408 + (Rs. 4,502)
Basim ...	1,854 (Rs. 1,403)	117 (Rs. 176)	58,917 (Rs. 13,776)	72,001 (Rs. 11,280)	+ 1,737 + (Rs. 1,227)	— 13,084 + (Rs. 2,496)
Wun ...	579 (Rs. 280)	230 (Rs. 50)	14,356 (Rs. 3,315)	2,844 (Rs. 599)	+ 349 + (Rs. 230)	+ 11,512 + (Rs. 2,716)
Total ...	96,944 (Rs. 31,698)	37,650 (Rs. 11,262)	603,912 (Rs. 1,29,034)	549,691 (Rs. 1,11,789)	+ 59,294 + (Rs. 20,436)	+ 54,221 + (Rs. 17,245)

2.—*Fuel.*

Division or District.	Demarcated State-Forests.		District Reserved and Unreserved Forests.		Difference in favour of, or against the year.	
	1890-91.	1889-90.	1890-91.	1889-90.	Demarcated State Forests.	District Reserved and Unreserved Forests.
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Ellichpur ...	... (Rs.) ...	385 (Rs. 9)	414,486 (Rs. 11,397)	261,285 (Rs. 8,820)	— 385 — (Rs. 9)	+ 153,201 + (Rs. 2,577
Amraoti ...	36,421 (Rs. 979)	3,125 (Rs. 91)	*450,578 (Rs. 18,664)	87,858 (Rs. 17,182)	+ 3,296 + (Rs. 888)	+ 362,720 + (Rs. 1,482)
Akola ...	92,426 (Rs. 4,908)	94,259 (Rs. 4,946)	267,419 (Rs. 11,607)	391,888 (Rs. 15,031)	— 1,833 — (Rs. 38)	— 124,469 — (Rs. 3,424)
Buldana ...	33,245 (Rs. 942)	18,323 (Rs. 529)	85,038 (Rs. 2,252)	62,588 (Rs. 1,693)	+ 14,922 + (Rs. 413)	+ 22,450 + (Rs. 559)
Basim ...	5,607 (Rs. 208)	205 (Rs. 203)	130,140 (Rs. 3,946)	117,155 (Rs. 2,425)	+ 5,402 + (Rs. 5)	+ 12,985 + (Rs. 1,521)
Wun ...	3,808 (Rs. 102)	700 (Rs. 20)	111,862 (Rs. 3,901)	89,077 (Rs. 2,139)	+ 3,108 + (Rs. 82)	+ 22,785 + (Rs. 1,762)
Total ...	171,507 (Rs. 7,139)	116,997 (Rs. 5,798)	1,459,523 (Rs. 51,767)	1,009,851 (Rs. 47,290)	+ 54,510 + (Rs. 1,341)	+ 449,672 + (Rs. 4,477

* The large increase in Amraoti is principally due to no estimate having been made in the previous year for the fuel cut from Babul-Bans sold by auction.

3.—*Bamboos.*

Division or District.	1890-91.			1889-90.			Difference in favour of, or against, the year.		
	Demarcated State Forests.	District Reserved and Unreserved Forests.	Total.	Demarcated State Forests.	District Reserved and Unreserved Forests.	Total.	Demarcated State Forests.	District Reserved and Unreserved Forests.	Total.
	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.
Ellichpur ...	2,120,631	1,025,172	3,145,803	1,802,819	859,066	2,661,885	+317,812	+ 166,106	+ 483,918
Amraoti ...	...	300	300	...	675	675	...	— 375	— 375
Akola ...	...	900	900	...	2,837	2,837	..	— 1,937	— 1,937
Buldana ...	...	...	...	...	...	...	..	...	...
Basim ...	...	1,462	1,462	...	4,275	4,275	...	— 2,813	— 2,813
Wun ...	27,475	20,150	47,625	10,400	11,200	21,600	+ 17,075	+ 8,950	+ 26,025
Total ...	2,148,106	1,047,984	3,196,090	1,813,219	878,053	2,691,272	+334,887	+ 169,931	+ 504,818

80. *Timber.*—In Demarcated State Forests the outturn increased from 37,650 cubic feet to 96,944 cubic feet, or more than two and a half times. The increase was principally in the Bairagarh forest, and was due to improvement fellings on the plan inaugurated in the previous year. The large increase in outturn shows that the plan is working well.

81. The system described in paragraph 74 of last year's Report was further modified by marking all trees to be felled and allowing the purchasers to fell for themselves. Only such of the marked trees as are left by purchasers are felled departmentally towards the end of the season. The Conservator has satisfied himself that the marking has been on the whole intelligently carried out by the Ranger and with the view solely of the improvement of the forest. There was also an increased outturn from the Penganga Reserve in Basim, due to improvement fellings carried out on the lines of a proposed Working-Plan which is under consideration for this forest.

82. The other Divisions show but small variations.

83. In District Reserved and Unreserved Forests the outturn increased from 549,691 cubic feet, to 603,912 cubic feet, or 54,221 cubic feet; of this two-thirds was from the open Melghat forests. This increase is not altogether a matter for congratulation, as there is reason to believe that these open Melghat forests are being over-worked. Measures are being taken to check the cutting of very small teak, but the matter has to be treated with care for fear of driving off the Kurkus who are invaluable for labour in the reserves.

It has also been proposed to extend the reserve to the west and south of Gugamal, where there are tracts of thinly populated country containing fairly good forest; and to form a fuel and fodder reserve in the neighbourhood of Ellichpur; and another tract in the north-eastern portion of the Katkumb pargana.

These measures with the opening up of improvement fellings in the other working circles (up to the end of the year only one out of the four working circles was operated on) will minimise the drain to some extent on the open forests and will pave the way to further ameliorating measures.

84. There was also a considerable increase in Buldana, due to increased sales of Teak poles. It is feared that these sales were made in a somewhat haphazard way, owing to the many changes in the controlling staff, as before remarked in paragraph 27. The system of working Teak in the South Berar District Forests is being re-organised.

85. *Firewood and Charcoal.*—There was an increased output of firewood from the Government forests in all districts except Akola, where few Babul-Bans were

offered for sale as it appeared to the Conservator that possibly too large an area was being cleared without the guarantee of a Working-Plan. The District Forest Officer has been taking stock of the Bans, and will, it is hoped, be able soon to draw up a scheme for their working.

86. There was a considerable increase, nearly 59 per cent. in Ellichpur, and it is probably larger than it appears as large quantities are removed on head-loads, which do not pay tax; a custom which is very destructive to the forests, because it encourages the cutting of the small stuff within easy distance of the market and the gradual denudation of the forest. Mr. Drysdale in 1882 proposed the taxing of head-loads going out of the Melghat open forests, but his proposition was vetoed, chiefly on the ground that it would make firewood dearer on the plains. It would not, it is thought, make much difference in this respect, and in any case, if the destruction is allowed to go on unchecked, the price must rise in a greater ratio than in the other case.

87. *Bamboos.*—The total number of Bamboos removed was 3,196,090 as against 2,691,272 in the previous year, an increase of 18 per cent. The principal increase was in Ellichpur, 483,918, of which the Reserves contributed 317,812. The large increase in the output of Bamboos from the Melghat Reserves is due to the opening out of the forest by roads, and is a matter for congratulation. In Wun the number increased from 21,600 to 47,625. There are considerable quantities of Bamboos in the Tipeshwar Block of the Kelapur forest, and trade in them requires stimulating. The rate of Rs. 2 per 100, obtaining there, is probably too high to attract buyers.

88. *Grazing.*—The number of cattle that grazed in the several classes of forest during the year is given in Appendix A.

The total number that paid dues was 14,44,034, being an increase of 9,737. There was, however, a decrease in the number of buffaloes and of cows and bullocks of 435 and 10,571 respectively; but an increase of 20,690 goats and sheep.

89. The number of goats and sheep is 27 per cent. of the total number of cattle grazed. This is a large proportion, considering the difficulty of procuring pasturage in the plains of Berar The Conservator noticed during his tour what great depredations the goatherds commit by lopping trees and bushes to feed their goats, and is of opinion that the rate for these animals, namely 3 pies, is too low.

90. The number of cattle that grazed in the Demarcated State Forests was 14,993 as against 18,533 in the previous year. The decrease is, however, partly nominal, as the returns from Buldana are vitiated by the deficiency discovered between the amount recovered on passes and the revenue paid to the treasury, for which the former District Forest Officer is on his trial. Of cattle that grazed in the other classes of forest, there was an increase in all districts except in Wun, where there was a decrease of 35,992, which was due to izaradars' cattle when grazed in their own forests being exempted. It appears too that the machinery in Wun for making them pay when they graze their cattle in Government land is insufficient, and this is probably the reason why the total number that paid dues is less than in the year 1887-88, before izaradars were required to pay.

91. *Minor Forest Produce.*—The outturn of minor forest produce, excluding Bamboos, was nearly of the same value as last year.

There was a decrese in the grass sales owing to the cutting of grass having been put a stop to in the Demarcated State Forests during the hot weather of 1890, but there were increases under other produce.

3.—*Free Grants of Forest Produce.*

92. The following is a comparative statement of the free grants made during

the year. Their value amounted to Rs. 495, against Rs. 114 in the previous year :—

Authority under which granted.	Name of Division or District.	Name of grantee.	Purpose for which granted.	Produce granted.		
				Description.	Quantity.	Value in Rs.
					Cft.	
Conservator of Forests, Hyderabad Assigned Districts.	Basim...	Villagers of Fetru.	Building houses burnt down.	Unreserved timber.	52	9
Do. ...	Do.	Villagers of Yenikd.	Do. ...	Do.	1,120	200
Do. ...	Do.	Villagers of Jaoli.	Building new houses.	Do.	92	16
				Grass.	...	3
Do. ...	Do.	Villagers of Udapur.	Do. ...	Unreserved timber.	56	8
				Grass.	...	1
Do. ...	Do.	Patel of Sondabi.	Do. ...	Unreserved timber.	118	36
Do. ...	Wun ...	Patel of Deurwadi.	Chaori	Timber.	130	19
Do. ...	Do.	Patel of Lohatwadi.	Do. ...			8
Do. ...	Ellichpur	Officer Commanding No. 1 Field Battery, H. C.	Artillery Lines at Ellichpur.	Timber.	682	195
			Total ...	...	...	495

4.—Produce removed by Right-Holders and under Concessions.

93. There are no rights to forest produce in the Berar forests. Concessions have been given under the rules of 1871 and 1874 to remove fuel by head-loads and to take edible fruits except mangoes and mohwa. As remarked in paragraph 82 of last year's Report, no reliable estimate can be made of the quantity of produce removed under these concessions.

CHAPTER V.—Financial Results.

94. The financial results are again the best on record and compare as follows with those of the four previous years : —

Year.	Receipts. Rs.	Charges. Rs	Surplus. Rs.
1886-87 ...	3,26,447 ...	1,71,510 ...	1,54,937
1887-88 ...	4,06,247 ...	1,83,160 ...	2,23,087
1888-89 ...	4,08,192 ...	1,69,295 ...	2,38,897
1889-90 ...	4,40,540 ...	1,76,549 ...	2,63,991
1890-91 ...	4,87,109 ...	1,68,608 ...	3,18,501

95. The surplus was Rs. 54,510 over that of the previous year. The ratio of surplus to gross revenue was 65·3 per cent. against 59·9 in the previous year.

Of the total gross revenue, Rs. 1,99,874 was derived from the Ellichpur Division with a surplus of Rs. 1,30,771.

96. The revenue was realised from the following sources:—

	1890-91. Rs.	1889-90. Rs.
Timber	1,60,732	1,23,052
Firewood and charcoal	58,906	53,088
Bamboos	48,181	40,495
Grazing	1,65,517	1,69,292
Grass and other minor produce ...	52,431	53,106
Confiscated produce	474	820
Miscellaneous sources	868	687
Total ...	4,87,109	4,40,540

During the year increases of revenue took place under:—

	Rs.
Timber	37,680
Firewood and charcoal	5,818
Bamboos	7,686
Miscellaneous sources	181
Total ...	51,365

While decreases took place under:—

	Rs.
Grazing	3,775
Grass and other minor produce	675
Confiscated produce...	346
Total ...	4,796

Balance in favour of the year Rs. 46,569.

97. The following statement shows the expenditure of the year compared with that of the previous year:—

Budget Heads.	1890-91.	1889-90.	Increase.	Decrease.
	Rs.	Rs.	Rs.	Rs.
A—*Conservancy and Works.*				
I. Timber and other produce removed from the forests by Government agency ...	...	...	...	...
II. Timber and other produce removed from the forests by consumers and purchasers ...	24,458	28,451	...	3,993
V. Rent of leased forests and payments to shareholders in forests managed by Government ...	15,558	15,558	...	...
VI. Live stock and dead stock ...	5,701	4,217	1,484	...
VII. Communications and buildings	14,844	21,498	...	6,654
VIII. Demarcation, improvement and extension of forests ...	10,989	10,233	756	...
IX. Miscellaneous	973	364	609	...
Total A—Conservancy and Works	72,523	80,321	2,849	10,647
B—*Establishment.*				
I. Salaries	78,701	77,902	799	...
II. Travelling allowances ...	12,523	12,716	...	193
III. Contingencies	4,861	5,610	...	749
Total B.—Establishment ...	96,085	96,228	799	942
Grand Total of Expenditure ...	1,68,608	1,76,549	3,648	11,589

98. There was thus a decrease of expenditure of Rs. 7,941, chiefly under A-II Payments of commission on collections of forest revenue to village officials, owing to outstandings of previous years having been paid in 1889-90, and A-VII, Communications and Buildings, owing to less work having been undertaken in the Melghat, and there were increases under A-VI., due to purchase of new tents, and A-VIII, due to increased cost of fire protection.

99. The surplus and deficits under the three great heads of accounts for the past four years were as follows:—

Source of revenue and expenditure.	1887-88		1888-89.		1889-90.		1890-91.	
	Surplus.	Deficit.	Surplus.	Deficit.	Surplus.	Deficit.	Surplus.	Deficit.
	RS.	Rs.	RS.	RS.	RS.	RS.	RS.	RS.
I. Departmental timber operations.	...	...	...	...	...	...	...	...
II. Other revenue .	2,85,430	...	2,93,154	...	3,20,829	...	3,82,668	...
III. Protection, &c. ...	...	62,343	...	54,257	...	56,838	...	64,167
Total ...	2,85,430	62,343	2,93,154	54,257	3,20,829	56,838	3,82,668	64,167

In calculating the charges due to III., Protection &c., 75 per cent. of the Demarcated State Reserves Establishment and one-third of the cost of the Controlling Staff plus that of their office establishment with half of A-VI and B-III has been debited. This appears to the Conservator a fair division as by far the largest portion of the Reserve Establishment's duties are connected with protection, &c., and a good deal of the time of the Conservator and the Divisional Officers and as well as their establishment.

The old manner of allotment was as follows:—

Other Revenue A-II.; A-V.; A.-IX. and $\frac{3}{4}$ of (A-VI. and B.)

Protection A.-VII; A-VIII; and $\frac{1}{4}$ of (A.-VI. and B.)

100. The financial results by classes of forests are compared as follows with those of the previous year:—

1.—*Summary of Financial Results by Classes of Forests.*

Class of Forests.	Revenue.		Expenditure.		Surplus.		Deficit.	
	1889 90.	1890-91.	1889-90.	1890-91.	1889-90.	1890-91.	1889-90.	1890-91.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Demarcated State-Forests	64,234	88,297	63,277	57,999	957	30,298	...	...
District Reserved and Unreserved Forests (excepting Ellichpur Unreserved Forests)...	2,57,062	2,65,872	70,427	67,354	1,86,635	1,98,518	...	...
District Unreserved Forests of Ellichpur.,.	1,19,244	1,32,940	42,845	43,255	76,399	89,685	...	...
Total ...	4,40,540	4,87,109	1,76,549	1,68,608	2,63,991	3,18,501	...	...

2.—*Financial Results by Classes of Forest and by Divisions.*

Division.	Class of Forest.	Revenue.		Expenditure.		Surplus.		Deficit.	
		1889-90.	1890-91.	1889-90.	1890-91	1889-90.	1890-91.	1889-90.	1890-91.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Direction.	Office	265	490	18,640	20,263	...	...	18,375	19,773
Ellichpur.	Office	3	2	16,609	16,879	...	...	16,606	16,877
	Demarcated State-Forests.	38,391	61,905	31,283	23,853	7,108	38,052	...	...
	District Reserved Forests.	7,054	5,162	1,175	1,310	5,879	3,852	...	...
	Unreserved Forests, Melghat.	1,19,172	1,32,806	27,068	2,061	92,104	1,05,745	...	...
		1,64,620	1,99,875	76,135	69,103	1,05,091	1,47,649	16,606	16,877
Amraoti.	Office	16	...	5,115	4,212	...	...	5,099	4,212
	Demarcated State-Forests	3,174	4,082	1,610	1 872	1,564	2,210	...	...
	District Reserved and Unreserved Forests.	64,991	68,860	4,605	3,709	60,386	65,151	...	...
		68,181	72,942	11,330	9,793	61,950	67,361	5,099	4,212
Akola.	Office	...	41	2,838	4,128	...	...	2,838	4,087
	Demarcated State-Forests	8,719	8,103	3,373	3,172	5,346	49 31	...	...
	District Reserved and Unreserved Forests.	38,650	34,831	7,440	6,107	31,210	28,724	...	...
		47,369	42,975	13,651	13,407	36,556	33,655	2,838	4,087
Buldana.	Office	21	19	4,738	2,880	...	...	4,717	2,861
	Demarcated State-Forests.	4,664	3,862	2,630	2,514	2,034	1,348	...	...
	District Reserved and Unreserved Forests.	41,059	46,297	6,481	7,476	34,578	38,821	...	...
		45,744	50,178	13,849	12,870	36,612	40,169	4,717	2,861
Basim.	Office	16	60	11,208	10,779	...	...	11,192	10,719
	Demarcated State-Forests.	3,683	4,842	4,887	5,497	...	...	1,204	655
	District Reserved and Unreserved Forests.	39,375	43,003	5,630	5,833	33,745	37,170	...	...
		43,074	47,905	21,725	22,109	33,745	37,170	12,3[illegible]	11,374
Wun...	Office	...	1	5,941	5,870	...	...	5,941	5,869
	Demarcated State-Forests.	5,540	5,372	6,343	6,627	...	...	803	1,255
	District Reserved and Unreserved Forests.	65,747	67,371	8,935	8,566	56,812	58,805	...	...
		71,287	72,744	21,219	21,063	56,812	58,805	6,744	7,124
		4,40,540	4,87,109	1,76,549	1,68,608	3,30,766	3,84,809	66,775	66,308
					Deduct deficit ...	66,775	66,308		
					Net surplus ...	2,63,991	3,18,501		

101. The following were the net increases and decreases in revenue for the different classes of forests in the several Divisions :—

Demarcated State-Forests.

		Rs.
Ellichpur	+	23,514
Amraoti	+	908
Basim	+	1,159
Akola	—	616
Buldana	—	802
Wun	—	168

District Reserved and Unreserved Forests.

Ellichpur	+	11,742
Amraoti	+	3,869
Buldana	+	5,238
Basim	+	3,628
Wun	+	1,624
Akola	—	3,819

CHAPTER VI.—General Remarks.

102. The result of meteorological observations are given in Appendix D; unusually heavy showers occurred at intervals in the cold weather.

The year was a fairly healthy one, and the health of the establishment was as a rule better than usual.

103. Mr. Prevost's control of the work in the Ellichpur Division was, the Conservator considers, excellent. The continued successful protection from fire of the important Reserves of the Melghat speaks of itself for his good management, when it is considered that every year these forests are being more worked and consequently a larger number of strangers are constantly in them. The steady rise of revenue is also creditable to him as well as to his predecessors, it being in a great measure due to the excellent system of roads which have been constructed and have yearly been extended and improved.

104. Mr. Taylor's management of the Basim Division was good, but owing to ill health during the latter portion of the year he was unable to carry out all the works which had been planned.

Mr. Mansukh Rai and Mr. Haldane did good service in their respective charges.

Mr. Wittinbaker obtained six months' leave on medical certificate on the 3rd September and some time afterwards serious discrepancies in his accounts were discovered. He was recalled to explain these, and failing to do so was dismissed the service and his prosecution ordered.

105. With few exceptions the subordinate forest and office staff are favourably reported on by Divisional Officers.

106. The Conservator's office continued to be well managed under the superintendence of the Head Clerk, Mr. Ganesh Narayen.

107. The Officiating Conservator desires to tender his thanks to the Deputy Commissioners for their ready co-operation and aid in the management of the forests.

F. B. DICKINSON,

Offg. Conservator of Forests,

Hyderabad Assigned Districts.

APPENDICES.

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FORESTS.

ANNUAL FORM No. 49.—*Area of Demarcated State Forests*, 1890-91.

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st April 1890. Acres.	Area on 1st April 1890. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 31st March 1891. Acres.	Area on 31st March 1891. Equivalent in square miles.	No. and date of ratification of addition or transfer.
Ellichpur.	Bairagarh..	Ellichpur.	Bairagarh Reserve ...	272,049	425	...	...	272,049	425	
	Gugamul.	Do.	Gugamul do. ...	115,044	180	...	...	115,044	180	
	...	Do.	Chikalda do. ...	2,400	4	...	...	2,400	4	
				389,493	609	...	...	389,493	609	
Amraoti.	...	Amraoti...	Chirodi Reserve ...	8,123	13	...	...	8,123	13	
	...	Do. ...	Mehdari do. ...	4,075	6	...	...	4,075	6	
				12,198	19	...	...	12,198	19	
Akola.	...	Akola ...	Loni Reserve ...	908	1	...	...	908	1	
	...	Do. ...	Bhongaon Reserve ..	1,368	2	...	...	1,368	2	
	Ghatbori.	Akola, Buldana and Basim.	Ghatbori do. ...	23,760	37	...	...	23,760	37	
		Akola ...	Mandwa do. ...	5,475	9	...	...	5,475	9	
	...	Do. ...	Borgaon do.	1,435	2	...	...	1,435	2	
	...	Do. ...	Ambabarwa Reserve.	...	...	a 6,250	...	6,250	10	a Hyd. *Resy. Orders* Notn. No. 268 of 5th Aug. 1890.
				32,946	51	6,250	...	39,196	61	
Buldana.	Gerumatergaon.	Buldana...	Gerumatergaon Reserve.	45,947	72	a 458	...	46,405	73	a Hyd. *Resy. Orders* Notn. No. 381 of 23rd Dec. 1890.
	Amdari ...	Do. ...	Amdari Reserve ...	13,717	21	b 2	...	13,719	21	b Hyd. *Resy. Orders* Notn. No. 351 of 14th Nov. 1890.
				59,664	93	460	...	60,124	94	
Basim.	...	Basim ...	Penganga Reserve ...	11,575	18	a 908	...	12,483	20	a Hyd. *Resy. Orders* Notn. No. 81 of 6th May 1886.
	...	Do. ...	Rui do. ...	6,647	10	b 27	...	6,674	10	b Hyd. *Resy. Orders* Notn., No. 137 of 22nd Apl. 1890.
	...	Do. ...	Gahuli do. ...	9,507	15	...	...	9,507	15	
	Kinwat ...	Do. ...	Kinwat do. ...	52,558	82	c 41,570	...	94,128	147	c Hyd. *Resy. Orders* Notn. No. 307 of 20th Sept. 1890.
	...	Do. ...	Medsi do. ...	1,115	2	...	...	1,115	2	
	...	Do. ...	Mohoja do. ...	2,111	3	...	...	2,111	3	
	...	Do. ...	Chandus do. ...	3,016	5	...	...	3,016	5	
	...	Do. ...	Ekburji do. ...	172	...	...	...	172	...	
				86,701	135	42,505	...	1,29,206	202	
Wun.	Kelapur ...	Wun ...	Kelapur Reserve ...	40,289	63	...	...	40,289	63	
	Wun ...	Do. ...	Tiwsala do. ..	4,873	8	...	...	4,873	8	
	Yeotmal...	Do. ...	Gondwakri do. ...	16,359	26	...	...	16,359	*25	
	Do. ...	Do. ...	Kharad do. ...	15,514	24	...	...	15,514	24	
	Darwha ...	Do. ...	Anjankheir Reserve...	7,634	12	...	...	7,634	12	
	Do. ...	Do. ...	Loubehel do. ...	9,187	14	...	...	9,187	14	
	Do. ...	Do. ...	Pathrot do. ...	2,889	4	a 91	...	2,980	5	a Hyd. *Resy. Orders* Notn. No. 324 of 2nd Oct. 1890.
				96,745	151	91	...	96,836	151	
			Total ...	677 747	†1,059	49,306	...	727,053	1,136	

* Corrected in order that the totals may come to the correct equivalent in square miles.
† *Vide* remark in Form No. 49 for 1889-90.

FORESTS.

ANNUAL FORM No. 49.—*Area of District Reserved Forests*, 1890-91.

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st April 1890.		Added during the year.	Excluded or transferred to other heads	Area on 31st March 1891.		No. and date of notification of addition or transfer.	Remarks.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles		
Ellichpur...	...	Ellichpur	Woods	1,390	2	...	...	1,390	2		
			Ramnas (grass lands)..	63	...	...	...	63	...		
			Grazing lands ...	34,534	54	...	...	34,534	54		
				35,987	56	...	...	35,987	56		
Amraoti ...	...	Amraoti	Woods	7,347	11	*a* 28	*b* 25	7,350	12	Comr.'s No. 4584, dated 13th September 1889. Do. .. .. Comr.'s No. 2415, dated 18th April 1890.	*a* Transferred from cultivation. *b* 16 acres given up for cultivation. 9 do. do.
			Ramnas (grass lands)..	13,523	21	...	*c* 52	13,471	21	Comr.'s No. 1176, dated 23rd February 1891.	*c* Transferred to grazing lands.
			Grazing lands ...	169,169	265	*d* 52	*e* 27	169,194	264	Do. ... .. Comr.'s No. 2415, dated 18th April 1890. Comr.'s Nos. 2334, dated 15th May 1890, and 1657, dated 19th March 1890.	*d* Transferred from ramnas. *e* 11 acres given up for cultivation. 16 acres given up for house sites.
				190,039	297	80	104	190,015	297		
Akola ...	...	Akola ...	Reserved Forests ...	46,971	73	*a* 1	*b* 121	46,851	73	Comr.'s No. 6904, dated 29th October 1890.	*a* Correction of area. *b* 112-39 transferred to Unreserved Forests 7·13 given up for Kutasi tank. 0-10 given up to the Railway authorities.
Buldana ...	...	Buldana ...	Reserved Forests ..	5,032	8	...	...	5,032	8		
Basim ...	...	Basim ...	Reserved Forests ..	9,147	14	...	...	9,147	14		
Wun ...	...	Wun ...	Woods	2,713	4	..	*a* 6	2,707	4	*a* Secretary for Berar's No. 4206, dated 31st December 1890.	5-36 acres of Renkapur izara relinquished by Government.
			Ramnas (grass lands)	16,476	26	...	...	16,476	26		
			Grazing lands ...	342,041	534	...	...	342,041	534		
				361,230	564	...	6	361,224	564		
				648,406	1,012	81	231	648,256	1,012		

FORESTS.

ANNUAL FORM No. 49.—*Area of District Unreserved Forests*, 1890-91.

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st April 1890. Acres.	Area on 1st April 1890. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 31st March 1891. Acres.	Area on 31st March 1891. Equivalent in square miles.	No. and date of notification of addition or transfer.	Remarks.
Ellichpur	Melghat Taluk	Ellichpur	Unreserved Forests	586,275	916	...	...	586,275	916	...	
	Remainder of District.	Ellichpur	Do.	488	1	...	...	488	1	...	
	Land in Melghat Hills of Akot Taluk.	Akola ...	Do.	1,460	2	...	*a* 1,460	...	...	...	(*a*) Excluded 1,067 being already included in the area of Akola unreserves and 393 being already set aside for village purposes in Akola District.
	Jalgaon Taluk.	Akola ...	Do.	4,476	7	...	*b* 4,476	...	...	...	(*b*) Being the portion of the Ambabarwa Reserve excluded as being already included in the area of the Akola unreserves.
				592,699	926	...	5,936	586,763	917	...	
Amraoti ...	...	Amraoti	Unreserved Forests	21,537	34	*a* 43	*b* 20	21,560	34	...	(*a*) Cultivation abandoned. (*b*) 10 acres given up for cultivation. 10 acres set aside for village purposes.
Akola ..	...	Akola ...	Unreserved Forests	111,060	173	*a* 384	*b* 6,352	105,092	164	...	(*a*) 113 acres transferred from District Reserved Forests. 271 „ cultivation abandoned. (*b*) 6,250 „ transferred to Demarcated State Forests. 4 „ correction of area. 21 „ given for a threshing floor. 77 „ jagir land erroneously entered.
Buldana ...	...	Buldana	Unreserved Forests	117,260	183	*a* 82,276	*b* 1,419	198,117	309	...	(*a*) 3123 acres cultivation abandoned. 79,153 „ correction of area. (*b*) 1,100 „ correction of area. 319 „ set aside for village purposes.
Basim ...	...	Basim	Unreserved Forests	499,679	781	*a* 1,525	*b* 140,339	360,865	564	...	(*a*) 239 correction of area. 333 izara made khalsa. 953 cultivation abandoned. (*b*) 41,570 transferred to State Forests. 11 given out for public purpose. 1,860 correction of area. 96,898 erroneously added in 1889-90.
Wun ..	...	Wun ...	Unreserved Forests	93,749	146	*a* [illegible]28	*b* 6,993	94,979	148	...	(*a*) Cultivation abandoned. (*b*) Given up for cultivation.
			Total ...	1,435,984	2,243	[illegible]1	161,059	1,367,373	2,136	...	

FORESTS.

ANNUAL FORM No. 50.—*Prosecutions for breaches of Forest Rules during* 1890-91.

Forest Division.	Cases pending from 1889-90.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
Ellichpur.														
Demarcated State Forests A ..	...	...	15	...	...	15	15	12	20	3	16	15	36	...
District Reserved Forests A ..	...	...	15	...	3	18	18	16	21	2	7	18	28	...
District Unreserved Forests A ..	2	...	...	...	57	57	59	52	69	7	13	59	82	...
Total ... 1890-91 A ...	2	..	30	...	60	90	92	80	110	12	36	92	146	...
Total ... 1889-90 A ...	1	...	107	2	1	110	111	97	146	12	41	109	187	2
Amraoti.														
Demarcated State Forests A ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
District Reserved and Unreserved Forests A ...	...	..	83	1	1	85	85	64	78	7	26	71	104	14
District Reserved and Unreserved Forests C ...	...	2	...	...	...	2	2	...	...	...	...	..	...	...
Total ... 1890-91 A ...	.	...	83	1	1	85	85	64	78	7	26	71	104	14
Total ... 1890-91 C ..	...	2	...	...	...	2	2	...	...	...	...	...	...	...
Total ... 1889-90 A ...	1	1	36	...	..	37	38	29	65	9	19	38	84	...
Akola.														
Demarcated State Forests A ...	...	4	3	3	...	10	10	8	12	1	1	9	13	1
District Reserved and Unreserved Forests A ...	...	...	10	...	7	17	17	13	42	2	6	15	48	2
Total ... 1890-91 A ...	...	4	13	3	7	27	27	21	54	3	7	24	61	3
Total ... 1889-90 A ..	...	3	12	...	11	26	26	23	44	3	3	26	52	...
Buldana.														
Demarcated State Forests A ..	...	1	1	...	...	2	2	2	4	...	2	2	6	...
Demarcated State Forests C..	...	2	...	...	...	2	2	...	...	...	...	...	...	...
District Reserved and Unreserved Forests A	...	...	52	3	...	55	55	35	39	16	37	51	76	4
Total ... 1890-91 A...	...	1	53	3	...	57	57	37	43	16	39	53	82	4
Total ... 1890-91 C...	...	2	...	...	...	2	2	...	...	...	...	...	...	...
Total ... 1889-90 A...	...	...	70	...	...	70	70	54	81	16	19	70	100	...
Basim														
Demarcated State Forests A ..	...	1	5	4	4	14	14	13	73	...	2	13	75	1
Demarcated State Forests C...	...	...	...	...	1	1	14	...	...	...	...	...	...	...
District Reserved and Unreserved Forests. A...	...	...	53	3	15	71	71	54	142	12	50	66	192	5
District Reserved and Unreserved Forests. C..	...	...	14	...	...	14	14	...	...	...	...	...	...	...
Total... 1890-91 A...	...	1	58	7	19	85	85	67	215	12	52	79	267	6
Total... 1890-91 C...	...	...	14	...	1	15	15	...	...	...	...	...	...	...
Total... 1889-90 A..	..	2	37	6	25	70	70	59	84	11	37	70	121	...
Wun.														
Demarcated State Forests A ...	...	...	5	6	5	16	16	12	24	4	11	16	35	...
District Reserved and Unreserved Forests A ...	2	...	9	...	47	56	58	52	63	6	10	58	73	...
Total ... 1890-91 A ..	2	..	14	6	52	72	74	64	87	10	21	74	108	...
Total ... 1889-90 A ...	4	3	46	9	10	68	72	61	110	9	27	70	137	2
Abstract.														
Demarcated State Forests. 1890-91 A..	...	6	29	13	9	57	57	47	133	8	32	55	165	2
Demarcated State Forests. 1890-91 C...	...	2	...	...	1	3	3	...	...	...	...	...	...	...
Demarcated State Forests. 1889-90 A..	2	7	50	15	5	77	79	69	132	10	45	79	177	...
District Reserved and Unreserved Forests. 1890-91 A...	4	...	222	7	130	359	363	286	454	52	149	338	603	25
District Reserved and Unreserved Forests. 1890-91 C..	...	2	14	...	...	16	16	...	...	...	...	...	...	...
District Reserved and Unreserved Forests. 1889-90 A...	4	2	258	2	42	304	308	254	398	50	106	304	504	4
Total... 1890-91 A...	4	6	251	20	139	416	420	333	587	60	181	393	768	27
Total... 1890-91 C...	...	4	14	...	1	19	19	...	...	...	...	...	...	...
Total... 1889-90 A..	6	9	308	17	47	381	387	323	530	60	151	383	681	4

FORESTS.

ANNUAL FORM No. 51.—*Area of forest tracts protected from fire during the dry season 1891.—To accompany Report for 1890-91.*

Division.	Forest Tracts.	Year in which protection commenced	Area actually protected up to 30th June 1890.	During dry season of 1891.			Cost during the season up to 30th June 1891.	Remarks.
				Area attempted to be protected.	Failures	Actually protected.		
Ellichpur	Raipur Block of Bairagarh Reserve.	1870	14,231	14,231	100	14,131	342	
	Remainder of Bairagarh Reserve.	1872	257,818	257,818	...	257,818	1,557	
	Gugamal Reserve ...	1877	115,044	115,044	2	115,042	841	
	Chikalda do. ...	1890	2,400	2,400	...	2,400	81	
		...	389,493	389,493	102	389,391	2,821	
Amraoti.	Chirodi Reserve ...	1881	8,123	8,123	7,123	1,000	193	
	Mehdari do. ...	1889	4,075	4,075	...	4,075	101	
		...	12,198	12,198	7,123	5,075	294	
Akola.	Loni Reserve ...	1882	908	908	...	908	...	
	Bhongaon Reserve ...	1882	1,368	1,368	...	1,368	...	
	Ghatbori do. ...	1881	23,756	23,760	395	23,365	696	
	Mandwa do. ...	1882	5,475	5,475	41	5,434		
	Borgaon do. ...	1889	1,435	1,435	...	1,435	...	
	Ambabarwa (not protected).	...	...	...	...	...	...	
		...	32,942	32,946	436	32,510	696	
Buldana.	Gerumatergaon Reserve.	1880	39,447	46,405	900	45,505	227	
	Amdari Reserve ...	1883	13,688	13,719	281	13,438	132	
		...	53,135	60,124	1,181	58,943	359	
Wasim.	Penganga Reserve ..	1880	10,495	12,483	156	12,327	246	
	Rui do. ...	1882	6,317	6,674	230	6,444	178	
	Gahuli do. ...	1885	9,492	...	...	...	...	Protection abandoned.
	Kinw do. ..	1881	52,558	94,128	102	94,026	876	
	Chandas do. ...	1889	3,016	3,016	...	3,016	61	
	Medsi do. ...	1889	1,108	1,115	...	1,115	66	
	Mohoja do. ..	1889	1,795	2,111	5	2,106	56	
	Ekboorji do. ...	1889	172	172	...	172	...	
		...	84,953	119,699	493	119,206	1,483	
Wun.	Kelapur Reserve ...	1881	40,229	40,289	218	40,071	753	
	Tiwsala do. ...	1882	4,873	4,873	2,668	2,205	144	
	Gondwakri do. ...	1882	15,459	16,359	3,155	13,204	336	
	Kharad do. ..	1882	14,764	15,514	1,622	13,892	318	
	Anjankhed do. ...	1882	7,634	7,634	8	7,626	239	
	Lonbehel do. ..	1882	9,187	9,187	...	9,187	298	
	Pathroat do. ..	1882	2,889	2,980	...	2,980	168	
		...	95,035	96,836	7,671	89,165	2,256	
	Total ...	...	667,756	711,296	17,006	694,290	7,909	

FORESTS.

ANNUAL FORM No. 52.—*Area of plantations and cultural operations*, 1890-91.

Division.	Name of Plantation.	Area in acres. On 1st April 1890.	Added during the year	Excuded during the year.	Area on 31st March 1891.	Receipts. Of the year	Charges. Of the year	Remarks.
	(1)—*Regular Plantations.*							
	Bairagarh Reserve.							
Ellichpur ...	Abapur	...	120	...	120	...	...	Teak and bamboo.
	Bujru	...	31	...	31	...	...	Do.
	Dugapati	...	11	...	11	...	...	Do.
	Jambulwari	...	600	...	600	...	...	Teak.
	Kolkaz	...	1	...	1	...	...	Bamboo.
	Lahu	...	279	...	279	...	...	Teak.
	Pili	...	52	...	52	...	...	Do.
	Pipalcotah	...	160	...	160	...	...	Teak and bamboo.
	Rakiadoh	...	13	...	13	...	...	Do.
	Saoli	...	110	...	110	...	...	Do.
	Saoli and Kuritha	...	30	...	30	...	...	Teak.
	Sembadoh	...	2	...	2	...	...	Teak and bamboo.
	Total Regular Plantations ...	...	*1,409	...	1,409	...	...	* These are re-entered in the form, pending a thorough examination of them.
	(2)—*Cultural Operations.*							
Ellichpur ...	Baiargarh Reserve	320	10	...	330	...	...	Teak, tewas, haldu, dhowra and bamboo.
	Gugamal do.	...	751	...	751	...	...	Do.
	Chikalda do.	...	...	...	...	...	120	Forest garden.
	District Reserved Forests ...	2	...	...	2	...	175	Date plantation.
		322	† 761	...	1,083	...	295	† Re-entered.
Amraoti ...	Chirodi Reserve	...	1	...	1	...	43	Sown with bamboo.
	District Reserved Forests ...	...	10	...	10	...	5	Do.
		...	11	...	11	...	48	
Akola ...	Loni Reserve	435	25	...	460	...	2	Sown with telia babul.
	Bhongaon Reserve	489	50	...	539	...	5	Do.
	Ghatbori do.	320	...	320	...	...	4	Struck out as a failure.
		1,244	75	320	999	...	11	
Buldana ...	Gerumatergaon Reserve ...	115	...	...	115	..	...	
	Amdari do. ...	...	...	...	...	..	1	Collection of seed.
		115	...	..	115	...	1	
Basim ...	Penganga Reserve	...	478	...	478	...	60	Sown with teak seed.
	Rui do.	300	...	300	...	...	...	Struck out as a failure.
	Kinwat do.	...	250	...	250	...	81	Sown with teak seed.
	Medsi do.	...	300	...	300	...	21	Do.
		300	1,028	300	1,028	...	162	
Wun ...	Kelapur Reserve	...	30	...	30	...	39	Sown with teak and anjan.
	Gondwakri do.	...	...	...	...	...	46	
	Kharad do.	400	...	...	400	...	1	
	Pathroat do.	...	...	...	...	...	100	
	Lonbehel do.	...	...	...	..	...	1	
	Anjankher do.	...	...	...	...	...		
		400	30	...	430	...	187	
	Total Cultural Operations ...	2,381	1,905	620	3,666	...	704	

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FORESTS.

ANNUAL FORM No. 54.—*Outturn (in cubic feet, solid) of Timber and Fuel during the year 1890-91 and Agency of Exploitation.*

Division.	Timber in the rough; logs.					Timber in the rough; poles.				Sawn or squared timber.					Miscellaneous.					Fuel.				Total.
	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Outturn.
(1)—*Demarcated State Forests.*																									
Ellichpur ...	...	72,566	...	...	72,566	...	20,689	682	...	21,371	...	...	...	...	...	...	...	...	...	...	...	...	...	...	93,937
Amraoti ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	36,421	...	...	36,421	36,421
Akola ...	...	...	...	...	...	...	259	...	...	259	...	...	...	...	...	...	...	...	...	...	92,426	...	...	92,426	92,685
Buldana ...	...	...	...	...	...	...	315	...	...	315	...	...	...	...	...	...	...	...	...	...	33,245	...	...	33,245	33,560
Basim ...	...	...	...	...	...	...	1,840	14	...	1,854	...	...	...	...	...	...	...	...	...	...	5,607	...	...	5,607	7,461
Wun ...	...	...	...	...	...	...	579	...	...	579	...	...	...	...	...	...	...	...	...	...	3,808	...	...	3,808	4,387
Total ...	...	72,566	...	...	72,566	...	23,682	696	...	24,378	...	...	...	...	...	...	...	...	...	...	171,507	...	...	171,507	268,451
(2)—*District Reserved and Unreserved Forests.*																									
Ellichpur (Reserves only) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9,002	...	...	9,002	9,002
Amraoti ...	...	...	...	...	...	...	310	...	...	310	...	...	...	...	...	...	...	...	...	...	450,578	...	...	450,578	450,888
Akola ...	...	...	...	...	...	...	6,420	...	...	6,420	...	...	...	...	...	...	...	...	...	...	267,419	...	...	267,419	273,839
Buldana ...	...	...	...	...	...	...	114,647	...	...	114,647	...	...	...	...	...	...	...	...	...	...	85,038	...	...	85,038	199,685
Basim ...	...	...	...	...	...	...	57,493	1[illegible]24	...	58,917	...	...	...	...	...	...	...	...	...	...	130,140	...	...	130,140	189,057
Wun ...	...	...	...	...	...	...	14,226	130	...	14,356	...	...	...	...	...	...	...	...	...	...	111,862	...	...	111,862	126,218
Ellichpur (Unreserves only.) ...	...	...	...	...	...	...	409,262	...	...	409,262	...	...	...	...	...	...	...	...	...	...	405,484	...	...	405,484	814,746
Total ...	...	...	...	...	...	...	602,358	1,554	...	603,912	...	...	...	...	...	...	...	...	...	...	1,459,523	...	...	1,459,523	2,063,435
Grand Total ...	...	72,566	...	...	72,566	...	626,040	2,250	...	628,290	...	...	...	...	...	...	...	...	...	...	1,631,030	...	...	1,631,030	2,331,886

FORESTS.

ANNUAL FORM No. 55.—*Outturn of Minor Forest Produce during the year* 1890-91.

Division.	Description of produce.	Produce removed or utilized.							
		By Government Agency.		By Purchasers.		By free grants.		By right-holders.		Total.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
	(1) DEMARCATED STATE FORESTS.		Rs.		Rs.		Rs.		Rs.		Rs.
Ellichpur	Bamboos ... ... No.	...	...	2,120,631	31,810	...	...	...	...	2,120,631	31,810
	Grass ... ...Tons.	...	...	22	15	...	...	...	...	22	15
	Lac ... ... „	...	...	4	64	...	...	...	...	4	64
	Roots and fruits ... ... „	...	...	4	34	...	...	...	...	4	34
	Miscellaneous minor produce... „	...	...	...	5	...	...	...	...	...	5
Amraoti	Grass ... {Tons ... / Auction sale.	...	...	219	293	...	...	...	...	219	293
		...	...	...	2,704	...	...	...	...	...	2,704
	Leaves ... Tons ...	...	...	5	12	...	...	...	...	5	12
	Fruits ... Auction sale	...	...	...	25	...	...	...	...	...	25
	Miscellaneous minor produce ...Tons	...	...	1,981	68	...	...	...	...	1,981	68
Akola	Grass ... ...Tons.	...	...	1,869	2,002	...	...	...	...	1,869	2,002
	Miscellaneous minor produce ... „	...	...	10	43	...	...	...	...	10	43
Buldana	Grass ... ...Tons.	...	...	539	485	...	...	...	...	539	485
	Miscellaneous minor produce ... „	...	...	5	29	...	...	...	...	5	29
Basim	Grass	...	...	...	2,701	...	4	...	...	...	2,705
	Miscellaneous minor produce	...	...	...	11	...	...	...	...	...	11
Wun	Bamboos ... ... No.	...	...	27,475	549	...	...	...	...	27,475	549
	Grass ... ...Tons	...	...	3,392	1,819	...	...	...	...	3,392	1,819
	Miscellaneous minor produce ... „	...	...	3,681	2,594	...	...	...	...	3,681	2,594
	(2) DISTRICT RESERVED AND UNRESERVED FOREST.										
Ellichpur (Reserves only).	Grass ... ... Auction sale	...	...	...	841	...	...	...	...	...	841
	Roots and fruits ... do.	...	...	...	323	...	...	...	...	...	323
Amraoti	Bamboos ... ... No.	...	...	300	3	...	...	...	...	300	3
	Grass. ... {Tons ... / Auction sale.	...	...	287	488	...	...	...	...	287	488
	Leaves ... ...Tons.	...	...	...	16,353	...	...	...	...	...	16,353
	Fruits ... {Tons. / Auction sale.	...	...	318	856	...	...	...	...	318	856
		...	...	5	29	...	...	...	...	5	29
	Gum ... ... do ...	...	...	...	2,535	...	...	...	...	...	2,535
	Minerals ... do ...	...	...	...	377	...	...	...	...	...	377
	Miscellaneous minor produce do ...	...	...	...	161	...	...	...	...	...	161
		...	...	...	765	...	...	...	...	...	765
Akola	Bamboos ... ...No.	...	...	900	9	...	...	...	...	900	9
	Grass ... {Tons. / Auction sale.	...	...	158	356	...	...	...	...	158	442
		...	...	...	86	...	...	...	...	...	
	Miscellaneous minor produce ...Tons	...	...	160	918	...	...	...	...	160	918
Buldana	Grass ... ... Tons.	...	...	892	661	...	...	...	...	892	661
	Fruits ... ... „	...	...	384	2,050	...	...	...	...	384	2,050
	Leaves ... ... „	...	...	40	108	...	...	...	...	40	108
	Minerals ... ... „	...	...	9	25	...	...	...	...	9	25
	Miscellaneous minor produce... „	...	...	...	2	...	...	...	...	...	2
Basim	Bamboos ... ... No.	...	...	1,462	29	...	...	...	...	1,462	29
	Grass ... ... „	...	...	...	613	...	...	...	...	...	613
	Miscellaneous minor produce „	...	...	...	669	...	...	...	...	...	69
Wun	Bamboos ... ...No.	...	...	20,150	403	...	...	...	...	20,150	403
	Grass ... {Tons. / Auction sale.	...	...	873	503	...	...	...	...	873	503
		...	...	...	953	...	...	...	...	...	953
	Roots and fruits ... do.	...	...	...	4,050	...	...	...	...	...	4,050
	Miscellaneous minor produce... Tons	...	...	303	303	...	...	...	...	303	303

FORESTS.

ANNUAL FORM No. 55.—*Outturn of Minor Forest Produce during the year* 1890-91.

Division.	Description of produce.		Produce removed or utilized.									
			By Government agency.		By purchasers.		By free grants.		By right-holders.		Total.	
			Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
				Rs.		Rs		Rs.		Rs.		Rs.
Ellichpur (unreserves only).	Bamboos ...	No.	..	...	1,025,172	15,378	...	...	..	...	1,025,172	15,378
	Grass ..	Tons.	..	...	4,073	2,442	...	...	...	...	4,073	2,442
	Roots and fruits	,,	...	...	550	1,940	..	...	...	...	550	1,940
	Lac ..	,,	...	...	19	299	..	...	...	...	19	299
	Leaves ...	,,	...	..	260	699	...	...	..	...	260	699
	Minerals ...	,,	...	...	1	2	..	...	...	...	1	2
	Gum ...	,,	..	...	10	89	..	...	...	...	10	89
	Miscellaneous minor produce ...	...	...	...	3	30	..	...	...	...	3	30
	ABSTRACT.											
	Bamboos	1889-90.	...	...	2,691,272	40,495	...	...	...	...	2,691,272	40,495
		1890-91.	...	...	3,196,090	48,181	...	...	...	...	3,196,090	48,181
	Grass ...	1889-90.	...	...	...	35,411	..	12	...	...	...	35,423
		1890-91.	..	...	...	33,315	...	4	...	...	...	33,319
	Roots and fruits	1889-90.	...	...	...	10,725	...	...	...	...	...	10,725
		1890-91.	...	...	...	10,986	..	...	...	...	...	10,986
	Lac ...	1889-90.	...	...	...	147	..	...	...	...	...	147
		1890-91.	...	...	...	363	..	...	...	...	...	363
	Leaves ...	1889-90.	..	...	...	1,299	...	...	..	...	...	1,299
		1890-91.	...	...	...	1,675		...	...	...	...	1,675
	Minerals ...	1889-90.	...	...	...	256	...	...	...	...	...	256
		1890-91.	...	...	...	188	...	...	..	...	...	188
	Gum ...	1889-90.	...	...	...	1,035	...	...	...	...	...	1,035
		1890-91.	...	...	...	466	...	...	...	...	...	466
	Miscellaneous minor produce...	1889-90.	...	...	...	4,233	...	...	.	...	...	4,233
		1890-91	..	...	...	5,437	...	..	..	...	...	5,437
	Total ...	1889-90.	...	...	...	93,601	...	12	...	...	...	93,613
		1890-91.	...	..	...	1,00,611	...	4	...	...	...	1,00,615

FORESTS.

ANNUAL FORM NO. 57.—*Abstract showing the value of live and dead stock for the year* 1890-91.

Description of timber and other produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
	No.	C.ft.	Value.	No.	C.ft.	Value.	In favor of the year.	Against the year.
			Rs.			Rs.	Rs.	Rs.
Direction Office.								
Surveying and other instruments ...	11	...	...	21	...	490	...	...
Tools	18	...	10	18	...	10	...	...
Office furniture	129	...	501	127	...	495	...	...
Tents	8	...	537	10	...	1,476	...	...
Miscellaneous	51	...	93	48	...	85	...	...
Elephant	1	...	2,400	1	...	2,300	...	...
	218	...	3,541	225	..	4,856	1,315	...
Ellichpur Division.								
Surveying and other instruments ...	20	...	135	21	...	140	...	...
Tools	763	...	480	754	...	941	...	...
Office furniture	198	...	760	204	...	1,275	...	...
Tents	6	...	520	6	.	824	...	...
Bungalows	2	...	8,000	2	...	8,000	...	...
Rest-houses...	...	...	..	9	...	9,000	...	...
Miscellaneous	248	...	340	248	...	561	...	...
Elephant	1	...	450	1	...	400	...	...
Stock	1	...	40	1	...	40	...	...
	1,239	...	10,725	1,246		21,181	10,456	...
Amraoti Division.								
Surveying and other instruments ...	5	...	16	6	...	20	...	...
Tools	50	...	60	51	...	59	...	...
Office furniture	49	...	254	51	...	251	...	...
Tents	3	...	332	3	...	315	...	...
Rest-house	...	...	...	1	...	1,450	...	...
Miscellaneous	41	...	61	41	...	53	...	...
	148	...	723	153	...	2,153	1,430	...
Akola Division.								
Surveying and other instruments ...	...	...	...	1	...	5	...	...
Tools	216	...	...	217	...	...	...	...
Office furniture	44	...	128	57	...	265	...	...
Tents	3	...	331	3	...	298	...	...
Miscellaneous	68	...	85	68	...	77	...	...
	331	...	544	346	...	645	101	...
Carried over ...	1,936	...	15,533	1,970	...	28,835	13,302	...

FORESTS.

ANNUAL FORM No. 57.—*Abstract showing the value of live and dead stock for the year* 1890-91.

Description of timber and other produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
	No.	C.ft.	Value.	No.	C.ft.	Value.	In favor of the year.	Against the year.
			Rs.			Rs.	Rs.	Rs.
Brought forward ...	1,936	...	15,533	1,970	...	28,835	13,302	...
Buldana Division.								
Surveying and other instruments ...	6	...	...	7	...	17	...	...
Tools	97	...	...	98	...	...	...	...
Office furniture	52	...	410	57	...	434	...	...
Tents	4	...	261	4	...	261	...	...
Buildings	1	...	1,000	1	...	1,000	...	...
Miscellaneous	91	...	91	87	...	87	..	...
	251	...	1,762	254	...	1,799	37	...
Basim Division.								
Surveying and other instruments ...	10	...	...	11	...	56	...	...
Tools	223	...	82	220	...	74	...	...
Office furniture ...	54	...	40	59	...	36	...	...
Tents	3	...	392	3	...	353	...	...
Miscellaneous	77	...	194	101	...	175	...	...
Elephant	1	...	1,084	1	...	1,030	...	...
	368	...	1,792	395	...	1,724	...	68
Wun Division.								
Surveying and other instruments ...	32	...	200	24	...	254	...	...
Tools	91	...	275	91	...	262	...	...
Office furniture	63	...	680	65	...	764	...	...
Tents	3	...	345	3	...	330	...	...
Miscellaneous	79	...	170	79	...	168	...	...
Elephant	1	...	500	1	...	475	...	...
Buildings	4	...	2,100	5	...	2,000	...	...
	273	...	4,270	268	...	4,253	...	17
Grand total ...	2,828	...	23,357	2,887	...	36,611	13,339	85

FORESTS.

ANNUAL FORM No. 58.—*Preliminary Summ* *y of Revenue and Expenditure of the different Districts during* 1890-91.

Budget Heads.	Direction Office.	Districts.						Total.
		Akola.	Amraoti.	Buldana.	Basim.	Ellichpur.	Wun.	
REVENUE.	Rs. a. p.	Rs. a p	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
I.—Timber and other produce removed from the forests by Government Agency—								
a. Timber	...		...	...	...	...	...	...
b. Firewood and charcoal	...	...	...	...	...	...	...	...
c. Bamboos	...	...	...	...	...	...	...	...
d. Sandal-wood	...	...	...	...	...	...	...	...
e. Grass and other minor produce ...	...	...	...	...	...	...	...	...
II.—Timber and other produce removed from the forests by consumers or purchasers—								
a. Timber	...	2 0	123 5 0	17,864 13 9	15,179 9 0	1,22,756 14 0	3,594 7 0	1,60,731 12 9
b. Firewood and charcoal	...	1,212 12 3	19,642 14 11	3,194 0 0	4,154 7 0	11,396 15 7	4,002 15 3	58,906 1 0
c. Bamboos	...	16,514 12 0	3 0 0	...	29 4 0	47,187 0 9	952 8 0	48,180 12 9
d. Grazing and fodder-grass ...	...	9 0 9	48,276 13 6	26,835 6 0	27,631 14 5	14,801 1 0	57,134 14 0	1,98,832 10 8
e. Other minor produce	...	24,152 8 0	4,828 6 1	2,213 11 0	679 8 6	3,485 13 3	6,946 15 6	19,115 6 4
III.—Drift and waif wood and confiscated forest produce	...	961 0 6	53 10 6	48 15 6	170 7 6	177 11 3	19 0 0	474 8 3
IV.—Revenue from forests not managed by Government—	...	4 11						
a. Duty on foreign timber and other forest produce	...	...	...	...	...	...	...	...
b. Revenue from shared and private forests	...	...	...	...	...	...	...	...
V.—Miscellaneous :—								
a. Fines and forfeitures	..	...	13 12 0	...	...	...	...	13 12 0
b. Refunds	.. 10 0	46 5 4	...	21 8 5	60 0 0	...	70 6 2	198 13 11
c. Other sources	0 3 11	73 13 6	...	...	0 5 0	69 0 0	22 8 0	654 14 5
Total Revenue ...	489 9 13 11	42,975 0 4	72,941 14 0	50,178 6 8	47,905 7 5	1,99,874 7 10	72,743 9 11	4,87,108 12 1

FORESTS.

ANNUAL FORM No. 58.—*Summary of Revenue and Expenditure during* 1890-91.

Budget Heads.	Direction Office.	Districts.						Total.
		Akola.	Amraoti.	Buldana.	Basim.	Ellichpur.	Wun.	
EXPENDITURE.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
A.—CONSERVANCY AND WORKS.								
I.—Timber and other produce removed from the forests by Government Agency—								
a. Timber	...	...	...	...	...	...	...	...
b. Firewood and charcoal	...	...	...	...	...	...	...	...
c. Bamboos	...	...	...	...	...	...	...	...
d. Sandal-wood	...	...	...	...	...	...	...	...
e. Grass and other minor produce	...	...	...	...	...	...	...	...
II.—Timber and other produce removed from the forests by consumers or purchasers	0 6 0	4,146 1 2	2,214 15 3	5,435 7 3	4,224 14 6	1,236 6 0	7,200 1 6	24,458 3 8
III.—Drift and waif wood and confiscated forest produce ...	...	...	...	...	...	...	...	...
IV.—Revenue from forests not managed by Government—								
a. Duty on foreign timber and other forest produce	...	...	...	...	...	...	...	...
b. Revenue from shared and private forests ...	...	...	...	...	...	...	...	...
V.—Rent of leased forests and payments to shareholders in forests managed by Government	...	...	...	...	...	15,557 12 5	...	15,557 12 5
VI.—Live stock, stores, tools and plant—								
a. Purchase of cattle	...	...	...	...	...	...	...	...
b. Feed and keep of cattle	725 5 7	...	...	...	863 14 8	859 0 6	839 0 10	3,287 5 7
c. Purchase of stores, tools and plant	1,613 4 8	216 1 1	53 1 1	47 2 0	99 10 7	146 2 7	237 13 1	2,413 3 1
VII.—Communications and Buildings—								
a. Roads and bridges	...	4 13 0	28 0 0	...	41 15 0	9,028 2 4	...	9,142 14 4
b. Buildings	72 0 0	1 3 3	73 10 0	132 15 0	186 3 0	4,176 12 6	177 1 6	5,004 13 3
c. Other works	...	...	...	...	...	695 0 9	1 5 0	696 5 9
VIII.—Demarcation, improvement, and extension of Forests								
a. Demarcation	...	90 10 0	316 14 0	778 6 3	189 4 6	55 6 0	101 14 0	1,532 6 9
b. Compensation for land and rights	...	...	800 0 0	...	...	...	...	800 0 0
c. Surveys and working plans	2 2 0	2 4 0	129 14 0	...	121 12 6	50 9 0	215 3 6	521 13 0

ANNUAL FORM No. 58.—*Summary of Revenue and Expenditure during* 1890-91—continued.

Budget Heads.	Direction Office.	Districts.						Budget.
		Akola.	Amraoti.	Buldana.	Basim.	Ellichpur.	Wun.	
EXPENDITURE—*continued.*	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
A.—CONSERVANCY AND WORKS—*continued.*								
VIII.—Demarcation, improvement, &c.—*continued.*								
d. Sowing and planting	...	11 1 3	47 13 0	1 0 0	162 9 0	295 5 3	186 14 0	704 10 6
e. Protection from fire	[illegible]	688 0 3	248 14 0	297 8 10	1,285 11 6	2,938 4 1	1,888 12 5	7,347 3 1
f. Other works	...	...	...	...	...	83 1 6	...	83 1 6
IX.—Miscellaneous—								
a. Refunds	...	180 0 0	38 0 0	78 0 0	89 7 3	...	50 8 0	435 15 3
b. Law charges	...	...	...	...	...	0 8 0	3 3 0	3 11 0
c. Other charges	78 12 2	61 2 8	66 5 2	66 3 8	54 15 2	139 12 11	66 1 2	533 4 11
Total A.—Conservancy and works ...	2,491 14 5	5,626 4 8	4,017 6 6	6,836 11 0	7,320 5 8	35,262 3 10	10,967 14 0	72,522 12 1
B.—ESTABLISHMENT.								
I.—Salaries—								
a. Conservators	11,990 5 1	...	...	...	...	...	...	11,990 5 1
b. Superior officers	...	1,946 14 1	1,883 15 7	850 0 0	5,750 0 0 +1,100 0 0	9,823 10 6	2,400 0 0	23,754 8 2
c. Subordinate Forest and Depôt establishment ...	...	3,369 2 7	1,533 0 3	2,665 13 0	4,442 8 5	15,958 9 7	4,489 13 9	32,458 15 7
d. Office establishments	3,268 3 5	771 11 9	878 2 1	930 0 10	943 11 6	2,687 8 5	1,018 1 0	10,497 7 1
e. Deputation and special allowances ...	...	...	...	...	...	...	...	...
II.—Travelling allowances—								
a. Conservators	1,405 10 0	...	...	...	...	...	...	1,405 10 0
b. Superior officers	...	577 0 0	555 4 8	204 0 0	1,202 8 0	1,973 4 0	673 12 0	5,185 12 8
c. Subordinate Forest and Depôt establishments ...	...	619 6 2	262 14 7	687 10 8	750 3 4	1,814 12 4	748 3 4	4,883 2 5
d. Office establishments	230 9 4	98 1 4	53 3 4	128 11 8	129 14 8	312 6 4	95 8 0	1,048 6 8
III.—Contingencies—								
a. Stationery	18 7 6	16 6 6	19 15 9	18 3 10	15 2 0	108 12 6	23 1 6	220 1 7
b. Carriage of tents and records	450 14 8	233 11 2	322 12 0	284 8 7	300 2 8	435 4 4	315 10 0	2,342 15 5
c. Rents, rates, and taxes	...	...	180 0 0	105 0 0	...	300 0 0	180 0 0	765 0 0
d. Pay of police guards	...	...	...	...	...	...	...	...
e. Official postage	310 3 6	98 12 0	40 2 0	94 11 0	92 3 6	333 14 6	40 6 0	1,010 4 6
f. Sundries	97 0	49 12 2	45 12 7	64 14 9	62 0 10	92 5 1	111 1 4	522 15 4
Total B.—Establishments ...	17,771 6 1	7,780 13 9	5,775 2 10	6,033 10 4	13,688 6 11 +1,100 0 0	33,840 7 7	10,095 9 0	96,085 8 6
Grand Total of Expenditure ...	20,265 4 6	13,407 2 5	9,792 9 4	12,870 5 4	22,108 12 7	69,102 11 5	21,063 7 0	1,68,608 4 7

(*a*) Pay of Mr. G. F. Taylor for July and August 1890, paid from Kasauli Treasury, debited to this Administration in India Account-current for November 1890 and adjusted in the accounts of this office for February 1891.

FORESTS.

Dr. Cr.

ANNUAL FORM No. 59.—*Preliminary Account Current of the Forest Department, Hyderabad Assigned Districts, for the year 1890-91.*

	Rs. a. p.	Rs. a. p.		Rs. a. p.	Rs. a. p.
To Cash Balance		294 7 1	By 13.—*Forests (Expenditure as per annual summary) Form 58.*	1,68,608 4 7	
„ *IX.—Forests (Revenue as per annual summary) Form 58.*	4,87,108 12 1		„ *Forest Cash Remittances, Local:—*		
„ *Service Funds*	785 1 0		Remittances to treasuries	4,86,217 7 7	
„ *Forest Cash Remittances, Local:—*			Inter-divisional transfers	1,772 5 10	
Forest cheques drawn	1,64,930 3 10		Cancelled cheques...	19 0 0	6,56,617 2 0
Inter-divisional transfers	1,772 5 10	6,54,596 6 9	„ *Advances recoverable*	70,993 14 3	
„ *Advances recoverable*	71,705 6 11		„ *Suspense*	...	
„ *Suspense*	...		„ *Cash Recoveries*	202 7 10	
„ *Cash Recoveries*	202 7 10		„ *Account Current (Other Governments)* ...	1,083 2 5	
„ *Account Current (Other Governments)* ...	2,381 1 5		„ *Inter-departmental transfers*	639 10 8	
„ *Inter-departmental transfers*	356 7 2	74,645 7 4			72,919 3 2
			„ *Cash Balance*	...	
Total ...		7,29,536 5 2	Total ...		7,29,536 5 2

FORESTS.

ANNUAL FORM No. 60.—*Revenue received and outstandings on account of revenue during* 1890-91.

Division.	Particulars.	Outstandings at commencement of year.	Value of sales and other revenue during year.	Total.	Amount realized during year.	Balance due to the Department at end of year.
		Rs.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Direction ...	Miscellaneous other sources.	...	489 13 11	489 13 11	489 13 11	...
Ellichpur ...	Timber and other produce.	...	1,99,874 7 10	1,99,874 7 10	1,99,874 7 10	...
Amraoti ...	Do.	...	72,941 14 0	72,941 14 0	72,941 14 0	...
Akola ...	Do.	...	42,975 0 4	42,975 0 4	42,975 0 4	...
Buldana ...	Do.	...	50,178 6 8	50,178 6 8	50,178 6 8	...
Basim ...	Do.	467	47,438 7 5	47,905 7 5	47,905 7 5	...
Wun ...	Do.	...	72,743 9 11	72,743 9 11	72,743 9 11	...
	Total ...	467	4,86,641 12 1	4,87,108 12 1	4,87,108 12 1	...

ANNUAL FORM No. 61.—*Outstandings and Liabilities on account of Contractors and Disbursers for* 1890-91.

Division.	Department Debtor.			Department Creditor.			Balance due.	
	At commencement of year.	Recoveries in cash and value of supplies and work done during year.	At close of year.	At commencement of year	Payments made during year.	At close of year.	To Department (outstandings)	By Department (liabilities).
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Akola Division. ...	...	8,930 13 10	8,930 13 10	576 6 8	9,145 5 9	9,721 12 5	790 14 7	...
Amraoti „ ...	...	5,457 14 7	5,457 14 7	1,103 10 0	5,490 15 [illegible]	6,594 9 9	1,136 11 2	...
Basim „ ...	...	12,423 7 6	12,423 7 6	594 5 4	12,152 10 [illegible]	12,746 15 5	323 7 11	...
Buldana „ ...	...	10,222 7 6	10,222 7 6	2,103 6 4	9,684 5 [illegible]	1,787 11 10	1,565 4 4	...
Direction „ ...	...	1,557 11 4	1,557 11 4	216 11 8	1,473 3 1	1,689 14 9	132 3 5	...
Ellichpur „ ...	...	22,801 5 11	22,801 5 11	1,815 14 0	22,271 3 4	24,087 1 4	1,285 11 5	...
Wun „ ...	...	10,311 10 3	10,311 10 3	334 6 0	10,731 2 9	11,065 8 9	753 14 6	...
Total ...	...	71,705 6 11	71,705 6 11	6,744 12 0	70,948 14 3	77,693 10 3	5,[illegible] 4	...

ANNUAL FORM No. 62.—*Financial results of the year* 1890-91.

Division.	Timber and other produce removed from the forests by Government agency.		Other revenue.		Formation, protection, and improvement of forests.	Total.	
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Direction...	...	...	490	12,950	7,313	490	20,263
Ellichpur...	...	...	1,99,875	39,859	29,244	1,99,875	69,103
Amraoti	...	...	72,942	6,228	3,565	72,942	9,793
Akola	...	...	42,975	9,354	4,053	42,975	13,407
Buldana	...	...	50,178	9,062	3,808	50,178	12,870
Basim	...	...	47,905	13,724	8,385	47,905	22,109
Wun	...	...	72,744	13,264	7,799	72,744	21,063
Total ...	...	...	4,87,109	1,04,441	64,167	4,87,109	1,68,608

APPENDIX A.—*Cattle grazed in the Demarcated State-Forests and District Reserved and Unreserved Forests during the year* 1890-91.

Division.	Districts, &c.	Year.	Camels.	Buffaloes.	Cows and bullocks.	Sheep and goats.	Total.	Revenue.
		(1)—*Demarcated State-Forests.*	No.	No.	No.	No.	No.	Rs.
Ellichpur ...	Ellichpur	1890-91 ...	...	...	...	...	...	...
		1889-90 ...	..	...	...	...	...	...
Amraoti ...	Amraoti	1890-91 ...	...	...	...	...	...	...
		1889-90 ...	...	...	...	...	...	...
Akola ...	Akola	1890-91 ...	...	619	3,046	656	4,321	1,112
		1889-90 ...	...	497	2,804	501	3,802	758
Buldana ...	Buldana	1890-91 ..	...	681	7,977	...	8,658	2,335
		1889-90 ...	...	735	10,673	...	11,408	3,040
Basim ...	Basim	1890-91 ...	...	27	1,987	...	2,014	510
		1889-90 ...	...	260	3,063	...	3,323	903
Wun ...	Wun	1890-91 ...	...	...	...	...	...	...
		1889-90 ...	..	...	...	...	...	...
	Total ...	1890-91 ...	...	1,327	13,010	656	14,993	3,957
		1889-90 ...	...	1,492	16,540	501	18,533	4,701
		(2)—*District Reserved and Unreserved Forests.*						
	(*a*) *District Reserves only.*							
	Bairam grazing tract, Ellichpur Taluk.	1890-91 ...	...	1,262	9,014	2,689	*a* 12,965	*a* 2,697
		1889 90 ...	1	1,477	9,054	3,069	*b* 13,601	*b* 2,616
	Woods in Ellichpur and Daryapur Taluks.	1890-91 ...	...	2,317	8,019	...	*a* 10,336	...
		1889-90 ...	...	1,824	5,779	...	*b* 7,603	...
	(*b*) *District Unreserves only.*—							
Ellichpur ...	Melgha[illegible]llichpur and Betul (Central Provinces.)	1890-91 ...	...	5,503	20,641	3,043	*c* 20,187	*c* 8,806
		1889-90 ...	...	5,820	21,199	4,047	*d* 31,066	*d* 9,454
	Ellichpur and Daryapur Taluks.	1890-91 ...	65	5,778	37,542	32,694	*c* 76,079	...
		1889-90 ...	16	6,333	37,051	31,748	*d* 76,048	...
	Akot and Jalgaon Taluks of Akola.	1890-91 ...	6	2,581	29,789	5,934	*c* 38,310	...
		1889-90 ...	...	3,014	33,296	6,143	*d* 42,453	...
	Total ...	1890-91 ...	71	17,441	105,005	44,360	166,877	11,503
		1889-90 ...	17	18,468	107,279	45,007	170,771	12,070
Amraoti ...	...	1890-91 ...	4	31,427	129,429	75,712	236,572	28,439
		1889-90 ...	4	30,537	116,866	64,323	211,730	26,579
Akola ...	... ...	1890-91 ...	...	14,841	92,566	37,159	144,566	20,596
		1889-90 ..	...	14,312	92,785	31,585	138,682	21,142
Buldana ...	...	1890-91 ...	...	19,756	135,247	108,551	263,554	23,354
		1889-90 ...	...	19,687	126,703	100,106	246,496	23,767
Basim ...	...	1890-91 ...	...	18,042	144,761	34,211	197,014	23,808
		1889-90 ...	1	17,652	141,379	32,603	191,635	22,897
Wun ...	...	1890-91 ...	...	53,215	281,661	85,582	420,458	53,860
		1889-90 ...	...	54,336	310,698	91,416	456,450	58,136
	Total ..	1890-91 ...	75	154,722	888,669	385,575	1,42 ,041	1,61,560
		1889-90 ...	22	154,992	895,710	365,040	1,415,764	1,64,591
	Total of all Forests...	1890-91 ...	75	156,049	901,679	386,231	1,444,034	1,65,517
		1889-90 ...	22	156,484	912,250	365,541	1,434,297	1,69,292

APPENDIX B (1).—*Statement of Expenditure incurred in the Forest Department on Roads in the Ellichpur Division during the years* 1874-75 *to* 1890-91 *inclusive.*

Name of reserve.	Name of roads.	No. of miles.	Total expenditure from 1874-75 to 1889-90.		Expenditure in 1890-91.		Total expenditure.	
			Construction.	Repairs.	Construction.	Repairs.	Construction.	Repairs.
Bairagarh.	Sembadoh-Biba Road ..	37	12,572	5,867	...	568	12,572	6,435
Do.	Sembadoh-Makhla road ...	7	5,407	868	...	79	5,407	947
Do.	Sembadoh-Chikalda do ...	17	19,029	5,270	...	232	19,029	5,502
Do.	Raipur-Patia road ...	18	10,502	884	...	213	10,502	1,097
Do.	Makhla-Biba road ...	25	15,000	673	...	331	15,000	1,004
Do.	Raipur-Jarida road ...	16	8,634	204	...	192	8,634	396
Do.	Pili-Kolkaz road ...	5	...	510	...	145	...	655
Do.	Caorakund-Butram road ...	12	3,638	...	...	151	3,638	151
Do.	Rangobeli-Chopan road ...	9	...	...	3,971	...	3,971	...
Gungamal..	Chikalda-Bandum road ...	36	12,213	3,314	[illegible]	292	12,213	3,606
Do.	Kolkaz-Rangrao-Churni road	12	3,705	1,880	...	132	[illegible]	2,012
Do.	Kund-Sakri road ...	2	...	...	2,193	...	2,193	...
Do.	Repairs to Karas Roads ...	...	...	13	...	...	...	13
Melghat Unreserved Forests.	Do. do. ...	...	...	2,280	...	529	...	2,809
Do.	Motha road	21	*2,000	...	...	...	2,000	...
	Total ...	...	92,700	21,763	6,164	2,864	98,864	24,627

* Grant by Forest Department.

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APPENDIX B(2).—*Statement showing the expenditure on buildings in the Ellichpur Division from 1874-75 to 1890-91.*

Name of Range.	Name and description of building.	Total expenditure from 1874-75 to 1889-90.		Expenditure in 1890-91.		Total expenditure.	
		Construction.	Repairs.	Construction.	Repairs.	Construction.	Repairs.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
	Thanas.						
Bairagarh Reserve.	Makla ...	95 0 0	52 1 5	...	5 0 0	95 0 0	57 1 5
	Sirsban ...	77 5 0	38 13 0	...	3 12 0	77 5 0	42 9 0
	Raipur ...	159 9 3	41 15 0	...	6 12 0	159 9 3	48 11 0
	Pili ...	50 0 0	60 6 9	...	2 12 0	50 0 0	63 2 9
	Abapur ..	42 2 0	25 15 9	...	...	42 2 0	25 15 9
	Awagarh ...	50 0 0	49 9 0	...	3 15 0	50 0 0	53 8 0
	Harisal ...	71 12 0	41 5 0	...	4 0 0	71 12 0	45 5 0
	Hatru ..	50 0 0	42 0 0	...	3 15 0	50 0 0	45 15 0
	Rangobeli ...	57 10 0	60 6 0	...	4 0 0	57 10 0	64 6 0
	Patia ...	56 0 0	42 4 0	...	4 0 0	56 0 0	46 4 0
	Biba ...	67 2 8	41 14 0	...	3 15 0	67 2 8	45 13 0
	Somitha ...	56 5 2	41 10 0	...	3 15 0	56 5 2	45 9 0
	Jambu ...	40 10 0	17 6 0	...	...	40 10 0	17 6 0
	Ambadoh ...	57 8 0	31 7 0	...	4 0 0	57 8 0	35 7 0
	Shed for tools at Raipur.	24 8 0	24 2 6	...	...	24 8 0	24 2 6
	Sembadoh ...	666 0 0	85 11 0	...	42 4 4	666 0 0	127 15 4
	Cattle pound at Sembadoh.	50 0 0	11 14 6	...	...	50 0 0	11 14 6
	Kolkaz ...	50 0 0	20 2 0	...	4 8 0	50 0 0	24 10 0
	Chowrakund ...	50 0 0	32 13 0	...	4 0 0	50 0 0	36 13 0
	Borda ...	...	37 0 0	...	3 15 0	...	40 15 0
	Buthrum ...	...	...	...	2 4 0	...	2 4 0
	Jarida ..	...	...	...	2 10 0	...	2 10 0
	Total ...	1,771 8	798 11 11	...	109 9 4	1,771 8 1	5 . 1
	Rest Houses.						
	Makla ...	...					
		100	742 3 11	...	105 8 0	...	847 11 11
		550 0 0	39 6 0	...	...	100 0 0	39 6 0
		0 0	35 15 0	...	...	1,550 0 0	35 15 0
	Observa	449 4 7	40 0 0	...	...	449 4 7	40 0 0
	..	1,550 0 0	18 0 0	...	...	1,550 0 0	18 0 0
	...	1,550 0 0	...	...	...	1,550 0 0	...
	Chaorakund ...	...	...	1,550 0 0	...	1,550 0 0	...
	Total ...	5,199 4 7	875 8 11	1,550 0 0	105 8 0	6,749 4 7	081 0 11
	Grand Total of Bairagarh Reserve.	6,970 12 8	1,674 4 10	1,550 0 0	215 1 4	8,520 12 8	1,889 6 2
	Thanas.						
Gugamal Reserve.	Dhakna ...	60 0 0	19 6 0	...	3 14 0	60 0 0	23 4 0
	Gurgipati ...	10 0 0	2 0 0	...	...	10 0 0	2 0 0
	Darkot ...	15 0 0	...	...	...	15 0 0	...
	Patulada ...	65 1 0	19 6 0	...	4 2 0	65 1 0	23 8 0
	Tarubanda ...	56 0 0	19 12 6	...	4 2 0	56 0 0	23 14 6
	Khatkali ...	7 0 0	...	...	...	7 0 0	...
	Modra ...	5 0 0	...	...	...	5 0 0	...
	Pirkheda ...	3 0 0	...	...	...	3 0 0	..
	Koha ...	58 0 0	17 7 0	...	3 12 0	58 0 0	21 3 0

APPENDIX B (2)—*Statement showing the expenditure on buildings in the Ellichpur Division from 1874-75 to 1890-91*—(continued)

Name of Range.	Name and description of building.	Total expenditure from 1874-75 to 1889-90.		Expenditure in 1890-91.		Total Expenditure.	
		Construction.	Repairs.	Construction.	Repairs.	Construction.	Repairs.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Gugamal Reserve—*continued*	*Thanas*—continued..						
	Chiladari ...	60 0 0	17 12 0	...	3 12 0	60 0 0	21 8 0
	Bairat ...	54 0 0	12 14 0	...	4 0 0	54 0 0	16 14 0
	Assalwara ...	50 0 0	17 11 0	...	3 12 0	50 0 0	21 7 0
	Dollar ...	50 0 0	17 11 0	...	4 2 0	50 0 0	21 13 0
	Bari ...	50 0 0	17 11 0	...	4 2 0	50 0 0	21 13 0
	Store house at Assalwara.	7 8 0	...	...	...	7 8 0	...
	Store house at Bairat.	17 8 0	...	...	...	17 8 0	...
	Rangrao Churni...	56 6 0	4 8 0	...	3 8 0	56 6 0	8 0 0
	Pastalai ...	...	2 8 0	...	...	...	2 8 0
	Arao ...	...	4 0 0	...	...	...	4 0 0
	Total ...	624 7 0	172 10 6	...	39 2 0	624 7 0	211 12 6
	Rest Houses.					90	
	Dhakna ...	1,550 0 0	51 11 0	...	18 2 6	1,550 0 0	69 13 6
	Rangras Churni...	1,550 0 0	...	...	9 12 6	1,550 0 0	9 12 6
	Total ...	3,100 0 0	51 11 0	...	27	3,100 0 0	79 10 0
	Grand Total of Gugamal Reserve	3,724 7 0	224 5 6	...	67 1	3,724 7	291 6 6
Chikalda Reserve.	*Rest Houses.*						
	Conservator's Bungalow.	...	7,483 5 4	...	295 10 0	...	7,778 15 4
	Peachgrove ...	282 0 0	1,077 4 1	...	571 12 9	282 0 0	1,649 0 10
	Elephant's ratab hut.	3 12 0	...	...	...	3 12 0	...
	Shed for elephant.	33 3 0	...	...	...	33 3 0	...
	Grand Total of Chikalda Reserve.	318 15 0	8,560 9 5	...	867 6 9	318 15 0	9,428 0 2
Melghat Unreserved Forest.	*Thanas.*						
	Nimkhera ...	35 8 0	9 1 0	...	...	35 8 0	9 1 0
	Jhiri ...	77 4 0	91 9 0	...	35 0 0	77 4 0	126 9 0
	Gowelkhera ...	32 0 0	7 0 0	...	...	32 0 0	7 0 0
	Dhamangaon ...	161 11 9	157 3 3	...	22 0 0	161 11 9	179 3 3

APPENDIX B (2).—*Statement showing the expenditure on buildings in the Ellichpur Division from 1874-75 to 1890-91—concluded.*

Name of Range.	Name and description of building.	Total expenditure from 1874-75 to 1889-90.		Expenditure in 1890-91.		Total Expenditure.	
		Construction.	Repairs.	Construction.	Repairs.	Construction.	Repairs.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Unreserved Forest—*continued.*	*Thanas*—continued						
	Sadarpur ...	31 1 0	...	...	...	31 1 0	...
	Boralla ...	43 10 6	73 10 6	...	7 0 0	43 10 6	80 10 6
	Deogaon ...	22 7 4	71 2 6	...	9 0 0	22 7 4	80 2 6
	Kharpi ...	45 4 0	61 0 0	...	5 6 0	45 4 0	66 6 0
	Jamod ...	10 2 0	5 6 0	...	...	10 2 0	5 6 0
	Kasod ...	296 13 0	122 13 3	...	38 7 0	296 13 0	161 4 3
	Wagdoh ...	66 4 9	152 7 3	...	11 0 0	66 4 9	163 7 3
	Bhairam ...	95 12 9	131 0 6	...	14 1 0	95 12 9	145 1 6
	Wagholi ...	30 7 0	100 4 6	...	8 0 0	30 7 0	108 4 6
	Kalamkhar ...	59 1 6	99 3 9	...	4 1 6	59 1 6	103 5 3
	Sonalla ...	31 14 0	...	...	...	31 14 0	...
	Khirkheda ...	20 0 0	83 13 0	...	6 7 6	20 0 0	90 4 6
	Basali ...	27 12 0	85 11 0	500 0 0	24 11 0	527 12 0	110 6 0
	Ambadi ...	38 15 3	97 6 0	...	22 8 0	38 15 3	119 14 0
	Chinchona ...	35 7 0	100 8 6	...	19 0 0	35 7 0	119 8 6
	Malhara ...	848 13 6	58 2 0	...	...	848 13 6	58 2 0
	Kamod ...	39 0 0	34 10 0	...	...	39 0 0	34 10 0
	Kajaldoh ...	29 0 0	57 0 0	...	5 14 0	29 0 0	62 14 0
	Hut for Malhara Peon. ...	3 0 0	7 0 0	...	...	3 0 0	7 0 0
	Suserda ...	20 0 0	33 8 0	...	5 0 0	20 0 0	38 8 0
	Pingli ...	52 0 0	37 15 6	...	9 12 0	52 0 0	47 11 6
	Saolikheda ...	...	8 0 0	...	...	...	8 0 0
	Hut at Ellichpur Cantonment wood bazar.	4 8 0	...	...	...	4 8 0	...
	Poptakhera ..	3	...	650 0 0	15 2 0	653 0	15 2 0
	Total ...	2,160 13 4	1,685 7 6	1,150 0 0	262 6 0	3,310 13 4	1,947 13 6
	Blocks.						
	3 nakas, names not given.	26 10 0	...	...	...	26 10 0	...
	Jambu ...	9 0 0	...	...	...	9 0 0	...
	Tarubanda ...	4 4 0	...	...	...	4 4 0	...
	Borekhera ...	6 0 0	...	...	...	6 0 0	...
	Chakarda ...	10 0 0	...	...	...	10 0 0	...
	Churni ...	5 0 0	...	...	...	5 0 0	...
	Salona ...	7 0 0	...	...	...	7 0 0	...
	Darkot ...	6 0 0	...	...	...	6 0 0	...
	Kotia ...	8 0 0	...	...	...	8 0 0	...
	Gurguti ...	11 0 0	...	...	...	11 0 0	...
	Total ...	92 14 0	...	...	...	92 14 0	...
	Grand Total of Melghat Unreserved Forests.	2,253 11 4	1,685 7 6	1,150 0 0	262 6 0	3,403 11 4	1,947 13 6
	Grand total of all expenditure.	13,267 14 0	12,144 11 3	2,700 0 0	1,411 15 1	15,967 14 0	13,556 10 4

FORESTS.

APPENDIX B (3).—*Statement showing the expenditure on Wells, Tanks and Jhiras in the Ellichpur Division from* 1874-75 *to* 1890-91.

Name of Range.	Wells, Tanks, and Jhiras.	Total expenditure from 1874-75 to 1889-90.		Expenditure in 1890-91.		Total expenditure.	
		Construction.	Repairs.	Construction.	Repairs.	Construction.	Repairs.
Bairagarh Reserve.	*Wells.*	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
	Makla 3 ...	64 4 0	27 2 0	...	4 6 0	64 4 0	31 8 0
	Rakia 1 ...	...	13 14 0	...	1 8 0	...	15 6 0
	Borkeri 1 ...	...	6 9 0	...	...	...	6 9 0
	Sembadoh 1 ...	896 14 0	1 6 6	...	2 0 0	896 14 0	3 6 6
	Suaji 1 ...	...	5 7 0	...	...	...	5 7 0
	Surwar 1 ...	...	13 0 0	...	0 15 0	...	13 15 0
	Bhipoal 1 ...	...	9 0 0	...	0 12 0	...	9 12 0
	Bhosikhera 1 ...	...	12 12 0	...	...	...	12 12 0
	Chorpi 1 ...	...	11 6 0	...	0 9 0	...	11 15 0
	Chaorakund 2 ...	11 4 0	1 2 0	300 0 0	2 0 0	311 4 0	3 2 0
	Hatru 1 ...	17 4 0	2 8 0	...	6 3 0	17 4 0	8 11 0
	Harisal 1 ...	10 0 0	1 2 0	...	2 0 0	10 0 0	3 2 0
	Jamboo 1 ...	10 0 0	5 13 0	...	2 0 0	10 0 0	7 13 0
	Raipur 1 ...	379 12 0	16 8 0	...	1 0 0	379 12 0	17 8 0
	Domi 1 ...	...	6 12 0	...	...	...	6 12 0
	Khapra 1 ...	...	9 15 0	...	1 2 0	...	11 1 0
	Kumbi 1 ...	...	6 3 0	...	1 8 0	..	7 11 0
	Bodun 1 ...	80 0 0	...	...	1 4 0	80 0 0	1 4 0
	Abapur 1 ...	...	1 8 0	...	...	...	1 8 0
	Jodkawa 1 ...	...	0 12 0	...	...	...	0 12 0
	Khakra 1 ...	...	0 15 0	...	...	...	0 15 0
	Kolkaz 1 ...	210 0 0	...	...	1 12 0	210 0 0	1 12 0
	Jarida 1 ...	...	...	170 0 0	...	170 0 0	...
	Total ...	1,679 6 0	153 10 6	470 0 0	28 15 0	2,149 6 0	182 9 6
	Sati Tank ...	...	366 15 1	...	...	...	366 15 1
	Total ...	1,679 6 0	520 9 7	470 0 0	[illegible] 0	2,149 6 0	549 8 7
Gugamal Reserve.	*Wells.*				28 15		
	Patulda 1 ...	10 0 0	3 0 0	...	...	10 0 0	3 0 0
	Dakna 1 ...	270 0 0	...	...	...	270 0 0	
	Rangrao Churni 1 ...	201 6 0	...	...	...	201 6 0	
	Jhiras.						
	Dhargar 1 ...	...	11 10 9	...	...	...	11 10
	Tarubanda 1 ...	10 0 0	...	...	...	10 0 0	...
	Gugamal 1 ...	105 8 0	..	...	...	105 8 0	...
	Chiladari 1 ...	19 12 0	...	...	...	19 12 0	...
	Koilari 1 ...	2 0 0	...	...	...	2 0 0	...
	Total ...	618 10 0	14 10 9	...	...	618 10 0	14 10 9
Melghat Unreserved Forests.	*Wells.*						
	Wasali ...	576 8 0	...	...	...	576 8 0	...
	Bairum ...	20 0 0	1 0 0	...	6 1 9	20 0 0	7 1 9
	Kajaldoh ...	3 0 0	...	...	...	3 0 0	...
	Ghiree ...	90 0 0	7 0 0	180 0 0	...	270 0 0	7 0 0
	Chinchona ...	...	...	...	3 0 0	...	3 0 0
	Jhiras.						
	Khatkali ...	...	6 12 0	...	...	...	6 12 0
	Ghiree ...	...	...	...	7 0 0	...	7 0 0
	Total ...	689 8 0	14 12 0	180 0 0	16 1 9	869 8 0	30 13 9
	Grand Total ...	2,987 8 0	550 0 4	650 0 0	45 0 9	3,637 8 0	595 1 1